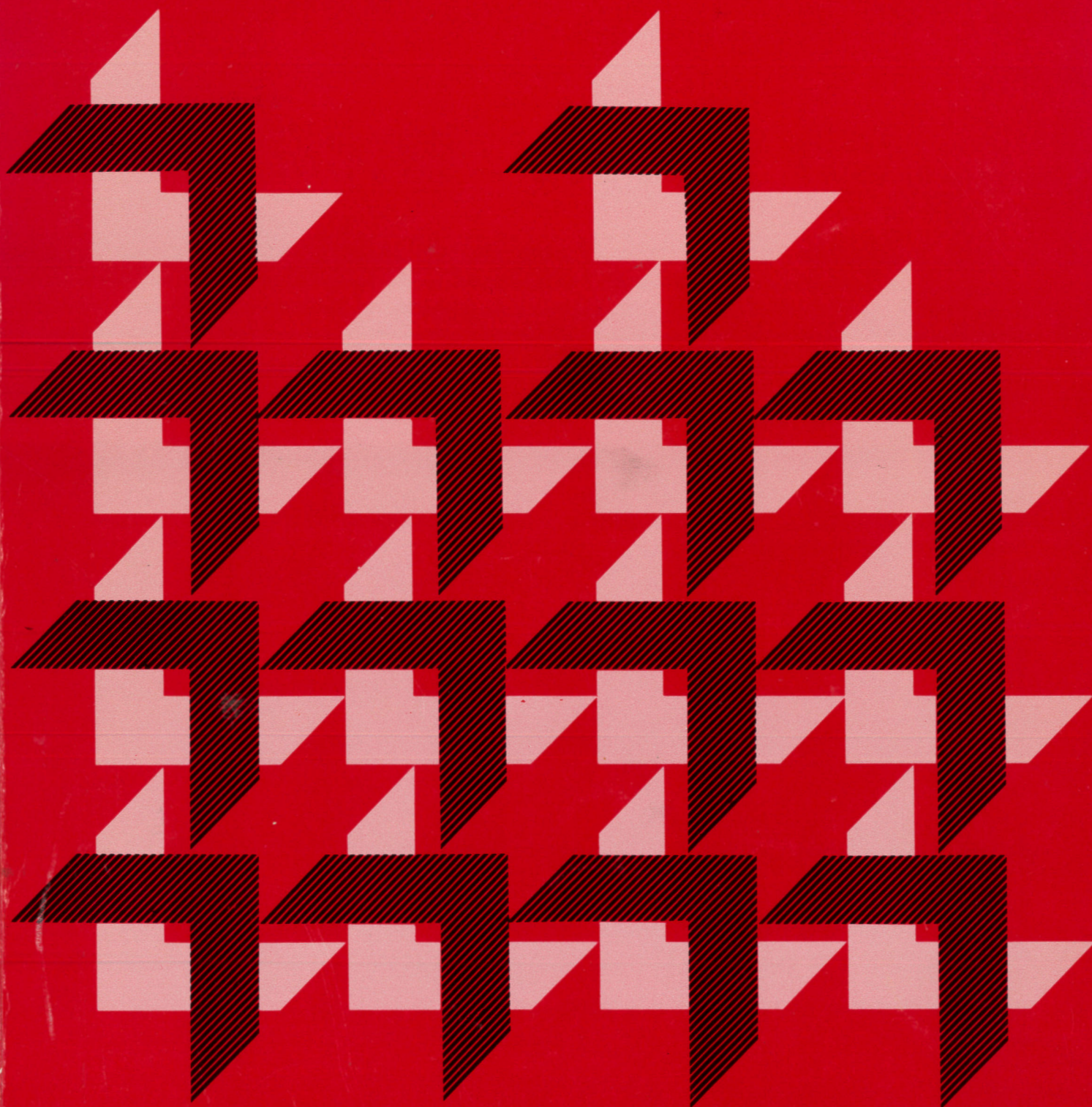




# Seasonally Adjusted Indicators, Australia, 1983

Australian Bureau of Statistics  
Canberra, Australia

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AUSTRALIAN BUREAU OF STATISTICS  
CANBERRA, AUSTRALIA

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*AUSTRALIAN STATISTICIAN*



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MAIL INQUIRIES	<i>write to</i> Information Services, ABS, P.O. Box 10, Belconnen, A.C.T. 2616 or any of our State offices.

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## INTRODUCTION

1. This annual publication presents in seasonally adjusted form selected statistical indicators of Australian economic activity. Presentation of series in seasonally adjusted form serves as an aid in statistical interpretation and analysis. The series are shown as originally compiled and as seasonally adjusted, both in tabular and graphical form, covering where possible the past fifteen years. Selected seasonally adjusted series are also presented on semi-logarithmic charts to facilitate comparisons of rates of growth in series of differing magnitude.

2. The seasonally adjusted series published by the ABS are calculated by electronic computer methods. The basic seasonal analysis program employed is the X-11 variant of the U.S. Bureau of the Census Method II seasonal adjustment program, a brief outline of which may be found in the notes on 'Seasonal Adjustment Methods' (pages ix to xv). The tables and graphs presented have been reproduced directly from computer output produced by means of ancillary programs developed by the ABS.

3. In most instances, the aim in compiling monthly or quarterly economic time series is to provide evidence of movement-to indicate the effects changing conditions are having on the activity being described, and in so doing, signal what might be likely to occur in the near future. Seasonal adjustment is a technique designed to aid these processes of analysis and interpretation.

4. The technique itself is based on the fact that most economic time series exhibit regular or predictable fluctuations associated with the calendar. Such fluctuations may occur for a variety of reasons. They may simply be expressions of the round of the seasons and related weather conditions, e.g. the production of many rural commodities, and the fact that consumption of electricity is much higher in winter than in summer. On the other hand they may reflect traditional behaviour associated with the calendar and the various social, business and administrative procedures attached to it. Thus taxation revenue has tended to be high in the second quarter and fall heavily in July, while savings bank deposits are usually relatively low over the second quarter of the year and thereafter rise up to a peak in the latter part of the year. The effects of Christmas and the associated holiday season can be identified in most economic time series. In addition there are the effects that variations in the number and composition of days in the month (or quarter) have on a monthly (or quarterly) series. The effects of these trading-day variations can be estimated and removed along with the seasonal effects.

5. It should be noted that seasonally adjusted figures include short-term fluctuations which are not linked to the calendar in any predictable way. The effects of such spasmodic events as industrial disputes or unusual weather conditions are still present in the adjusted figures, as are statistical errors of measurement such as sampling errors. Moreover most series are subject in varying degrees to erratic ebbs and flows characteristic of the activity being described. The presence of these irregular components in the adjusted series should be borne in mind in interpreting short term movements in the seasonally adjusted figures.

Particular points to be considered when using seasonally adjusted figures are listed in the section on 'Interpretation of Seasonally Adjusted Statistics'.

6. Explanatory notes on the nature of the statistical series included in this publication are given in Appendix A, together with references to publications containing more detailed information.

7. It should be recognised that seasonal adjustment may be carried out by a number of accepted procedures, each of which can be expected to yield results differing in greater or lesser degree from each other. Accordingly, in interpreting particular seasonally adjusted statistics, it is important to bear in mind the methods by which they have been derived and the limitations to which the methods used are subject. The explanation given in the notes on 'Seasonal Adjustment Methods', together with details given in Appendix B of the specific method of adjustment employed for each Australian series published by the ABS (and certain other organisations), is intended to serve these purposes. To assist further in interpreting particular seasonally adjusted series, details of selected measures of variability for all Australian series published in seasonally adjusted form by the ABS (and certain other organisations) are provided in Appendix C. Also included in Appendixes B and C are details of the methods of adjustment used and selected measures of variability for seasonally adjusted State series, where these are published for most States.

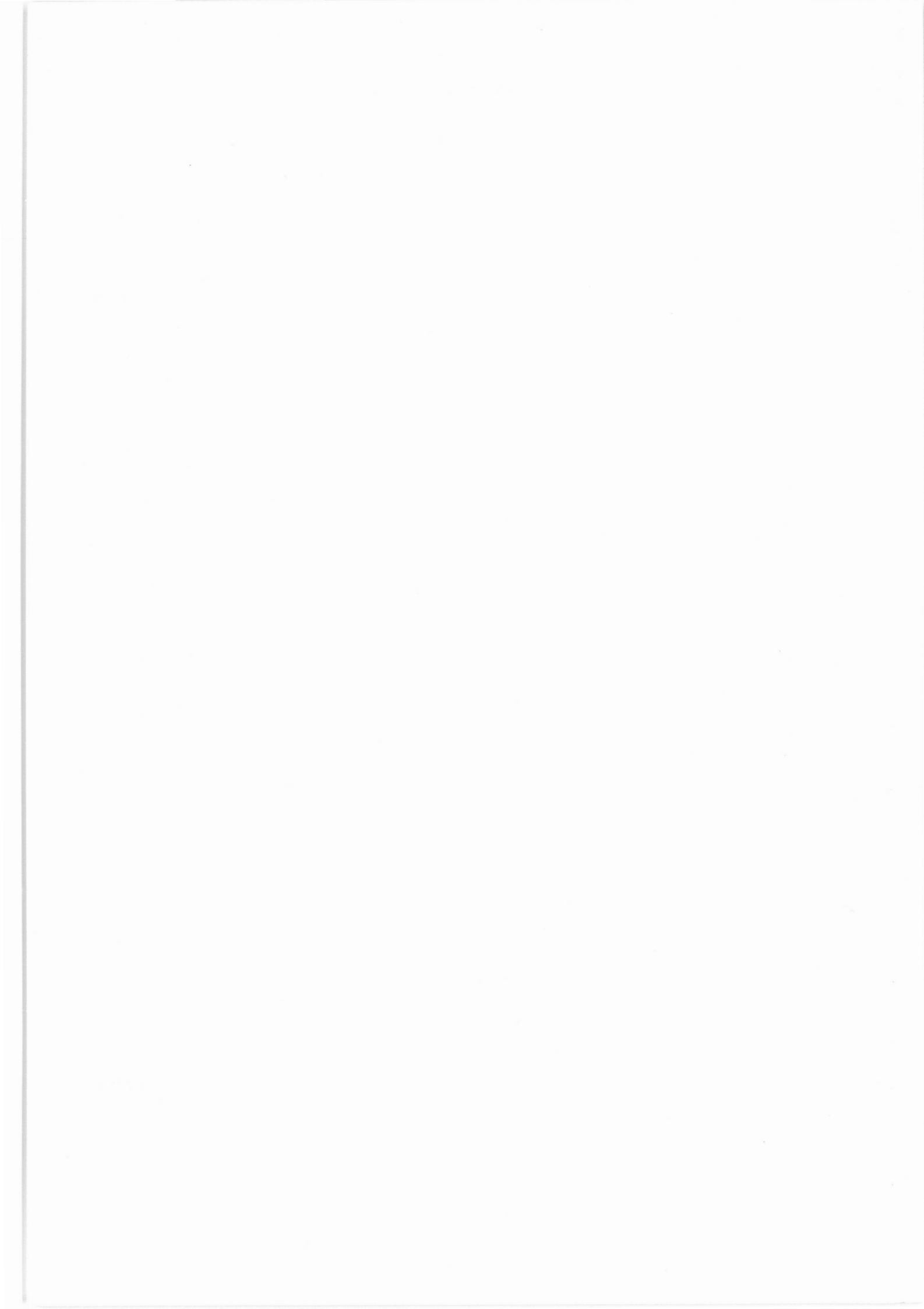
8. Further seasonally adjusted figures for each of the series included in this publication, and other series adjusted by the ABS, will be published as they become available in the relevant monthly and quarterly publications of the ABS (and certain other organisations). Current figures for most of these series are also published in the *Monthly Summary of Statistics, Australia* (1304.0) and a selection are included in the *Digest of Current Economic Statistics, Australia* (1305.0).

9. All of the series referred to in Appendix C are released on magnetic tape and microfiche on a quarterly basis (Catalogue Number 1311.0). In addition to these series, which are presented in both original and seasonally adjusted form, a number of important unadjusted series are also included. Further information on this service can be obtained by ringing the Time Series User Contact Officer on Canberra 526636.

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**Australian Bureau of Statistics**  
**Belconnen, A.C.T. May 1983**





## SEASONAL ADJUSTMENT METHODS

### Introduction

1. It is often useful and sometimes necessary in interpreting monthly and quarterly statistical series to recognise and take account of the element of variation due to what are commonly known as seasonal influences. As a supplement to personal judgement, statistical techniques can be used to evaluate the effects of normal seasonal influences operating on a series. This kind of evaluation does not call for subjective judgement except in the choice of the appropriate statistical techniques. The techniques are called seasonal analysis, and they are designed to enable the series to be seasonally adjusted, that is, to have the estimated effects of normal seasonal influences removed from them.

2. Normal seasonal influences on statistical series are those influences that tend to recur regularly once or more a year. Not all statistical series are affected by seasonal influences in a manner regular enough to be called 'normal'; if they are not they cannot usefully be seasonally adjusted. Those that are seasonally affected usually reflect the influence of the seasons themselves, either directly or through production series related to them (such as farm production), or social conventions (such as the incidence of holidays) or administrative practices (such as the timing of tax payments). Many series also reflect differences in the composition of the months (or quarters), in terms of the number of trading-days and the accounting practices adopted.

3. It is important that users have a clear understanding of what has been removed from the series by seasonal adjustment, and the limitations to which the seasonally adjusted series are subject. It is hoped that these introductory notes will help to achieve this object.

### Basic processes of seasonal adjustment, simple methods

4. The basic concepts underlying the seasonal adjustment methods employed by the ABS are best explained by reference to the simpler methods in use before the introduction of computers. These illustrate basic processes common to most seasonal adjustment methods.

5. Most series are seasonally adjusted by dividing the original figures by factors which represent in ratio form the effects of normal seasonal influences on the various months in that series. Such adjustment is called *multiplicative*. Less common is *additive* adjustment, in which estimated seasonal *differences* are subtracted from the original series.

6. In estimating seasonal adjustments, it is first necessary to calculate *trend* values for each month (or quarter) in the series. A simple estimate of trend is the centred twelve-month moving average of the original series. A twelve-month moving average of the original series is another series, each term of which is the average of twelve consecutive monthly figures in the original series. The centre of this moving average would fall between the sixth and seventh month. To make it coincide with a particular month, the average is then taken of all pairs of consecutive months in the moving average series itself. This second moving average is called a centred twelve-month moving average, and is equivalent to a 2 x 12-term moving average, that is, a two-term moving average of a twelve-term moving average. The corresponding simple estimate of trend for a quarterly series is obtained by a 2 x 4-term moving average.

7. A set of ratios (larger or smaller than one) or differences (plus or minus) may be obtained by dividing the original series by the trend figures, or by subtracting the trend figures from the original figures. The ratios or differences so obtained are known as *seasonal-irregular* ratios or differences and are considered to include both normal seasonal influences and other, irregular, effects peculiar to the month or quarter in question. The effect of normal *seasonal* influences for each of the twelve months (four quarters) of the year is estimated as an average of the seasonal-irregular ratios or differences for that month (quarter) of successive years. The average ratios or differences are referred to as seasonal factors or seasonal differences. They may be used to adjust the original series for the normal seasonal movement of which they are estimates, thereby giving a seasonally adjusted series.

### Seasonally adjusted figures as combination of trend and irregular components

8. These simple methods reflect the assumption underlying most seasonal adjustment methods, namely, that the original series can be represented by three components: *trend*, *seasonal* and *irregular*. Removing the trend (either by division or subtraction) leaves the seasonal-irregulars. The seasonal (for each month or quarter of the year) is derived from these by averaging them, in order to 'cancel out' irregulars. The irregular can be isolated in turn by removing both the trend and the seasonal from the original figure. It should be noted that the existence of a seasonal as a component of a figure in a statistical series is merely an assumption. The 'true' seasonal, if it exists, is not known, and the methods available only enable it to be estimated. Similarly, the trend is only the estimated trend, as the 'true' trend is not known. The irregular depends entirely on the value of the estimates of seasonal and trend.

9. The most important inference to be drawn is that seasonally adjusted series reflect irregulars as well as trend. Therefore, they may not be the 'smooth' series the user may expect, and they can be used only approximately as measures of trend. An apparent change of direction from one month to another may have been due to the irregular component, not to a change of trend, and the series may resume its former movement the following month. Therefore, to determine whether a given change of direction in a seasonally adjusted series is a 'downturn' or an 'upturn' in the trend, requires judgement on the part of the user, which must be based either on accurate knowledge of the influences affecting the series or on the extent to which the adjusted series has shown irregular movements in the past.

10. It may be noted in passing that a particular kind of irregular movement occurs if there is a temporary change in seasonal influence. For example, unemployment may increase each year as the fruit-picking season ends, but the season may end a month early in one year. The resulting rise in unemployment may, therefore, not be offset by seasonal adjustment until the following month, when unemployment would be expected to increase according to the normal seasonal pattern. Therefore, the seasonally adjusted figures will show an irregular increase, followed by an irregular decrease a month later.

**Census Method II, X-11 Variant**

11. The ABS has adopted for its standard methods of seasonal adjustment, the X-11 Variant of the Census Method II Seasonal Adjustment Program and its companion quarterly program X-11Q. Some minor changes have been made to the basic programs in the Australian Bureau of Statistics, and they have been extended to meet specific Australian requirements and to facilitate automatic presentation of results in the format preferred by the ABS. No more than a general outline of the features of these programs is offered in this note. For further details, reference should be made to *The X-11 Variant of the Census Method II Seasonal Adjustment Program*, Technical Paper No. 15, United States Department of Commerce, Bureau of the Census, February 1967.

**Features of the X-11 programs**

12. These programs are essentially elaborations of the classical ratio-to-moving-average methods of seasonal adjustment, incorporating features specifically designed to overcome short-comings of simpler methods. The minimum time span of data required for seasonal adjustment using the X-11 program is three years, which provides three observations for each month or quarter, for both monthly and quarterly series. In practice a longer time span is required in order to estimate seasonal factors with sufficient reliability. The span required varies from series to series depending on the degree of irregularity and the stability and magnitude of the seasonal pattern.

13. The more important features of the monthly X-11 program may be summarised as follows:

- (a) It provides for additive as well as multiplicative adjustment.
- (b) It yields improved trend estimates by applying an appropriate moving average (chosen automatically from three alternatives of different lengths and weights) to preliminary seasonally adjusted values, thereby reducing the effects of any residual trend on estimates of seasonal and irregular components. Trend estimates are made for each month of the series and thus permit estimates of seasonal-irregulars over the entire series (including the first and last six months).
- (c) It identifies extreme values and modifies them before making final estimates of seasonal factors and trend values.
- (d) It allows for gradual changes of seasonal pattern from year to year, estimating seasonals for each period as an appropriate weighted moving average of seasonal-irregulars for months of the same name. Four alternative weighted moving averages are provided, for series of differing degrees of irregularity.
- (e) It estimates forward factors for the twelve months after the latest figure of the series, thus enabling adjustment of additional figures for up to a year without re-analysis.
- (f) It provides for 'trading-day' adjustments and for the estimation of such adjustments from the series itself.
- (g) It allows for optional prior adjustment of the series before analysis, to permit adjustment for influences not otherwise provided for. This facility can be used, among other things, to adjust for the changing effects of holidays such as Easter which may differently affect months in successive years.
- (h) It provides as an option a further procedure designed to prevent the seasonal adjustment from being distorted by the effects of any severe industrial disputes or other major irregular occurrences.
- (i) It provides a range of summary measures which can be useful in selecting from among the various options available for the adjustment of the series and in interpreting movements in the adjusted series.

14. The companion X-11Q program used for quarterly series is similar in its features but does not provide for the estimation of trading-day adjustments, or for alternative types of weighted moving averages in the estimation of seasonal factors and trend. However trading-day adjustments are calculated by prior analyses for some quarterly series published by the ABS.

15. The programs proceed by iteration. The series is firstly adjusted by any prior adjustments or preliminary trading-day adjustments. The initial centred twelve-month or four-quarter moving average is used to derive provisional seasonal factors and a provisional seasonally adjusted series. This series is then subjected to trend-fitting; seasonal factors are re-estimated; a new seasonally adjusted series is obtained and the trend is removed to obtain irregulars; if required, residual trading-day variation is estimated and removed from the irregulars; extreme irregulars are identified and modified; and the process is repeated with trend being re-estimated from a modified original series. Because seasonal, trend and irregular are complementary parts of a whole, any improvement affected by the process of iteration in the estimate of one part improves the others.

**Summary of X-11 program options**

16. A wide variety of seasonal adjustment procedures is permitted by either program. This is to suit the widely differing characteristics of series with regard to the magnitude of the trend, seasonal and irregular components of variation and some spasmodic influences which may affect series. The following is a brief account of the available program options and the way in which they are applied.



## SEASONAL ADJUSTMENT METHODS—continued

- (a) *Additive or multiplicative adjustment.* For economic series which have only positive values, seasonal variations usually tend to be proportional to trend. Therefore, the multiplicative method is usually the more appropriate. If a series takes both positive and negative values additive adjustment is the only available option if a direct adjustment of the series is necessary.
- (b) *Trend-cycle estimate.* The program provides as optional alternatives 9-, 13-, or 23-term (Henderson) weighted moving averages of the initially estimated seasonally adjusted series for purposes of trend estimation. The appropriate weighted moving average may either be selected automatically by the program or be specified independently. If the irregular variation tends to be high in relation to the variation in trend, a long moving average is indicated to smooth out the effects of the irregulars. If it tends to be low, a short moving average is indicated, to fit the trend more closely to the curves of the data. The X-11Q program provides only a 5-term weighted moving average.
- (c) *Seasonal factor estimate.* The X-11 program provides as optional alternatives for estimating seasonal factors 3-, 3 x 3-, 3 x 5-, or 3 x 9-term weighted moving averages or a simple average covering all years of the series. Unless otherwise specified, the program employs as standard a 3 x 5-term weighted moving average, but any of the alternatives may be employed for estimating seasonal factors for any named month. (For series in this publication the standard 3 x 5-term moving average has been used, except for some series having irregular variation which is relatively high in relation to the estimated year-to-year change in seasonal factors. For these series the 3 x 9-term moving average has been used for all months). The X-11Q program provides only a 3 x 5-term weighted moving average.
- (d) *Graduated treatment of extremes.* Both programs contain a statistical procedure whereby unusually large or small values are objectively identified and discounted for purposes of calculating seasonal factors and trend values, thus preventing the estimated seasonal factors from being unduly affected by purely irregular influences. Preliminary estimates of the irregular component are tested for extremeness by comparison with their average value and their standard deviation. Values larger or smaller than the average by more than 2.5 standard deviations are regarded as extreme and are given zero weight. Values within 1.5 standard deviations of the average are regarded as normal and receive full (unit) weight. Values between these limits receive a proportionate intermediate weight. Alternative limits may be specified and are occasionally used.
- (e) *Trading-day adjustment.* Specific provision for trading-day adjustment exists in the X-11 (monthly) program but not in the X-11Q (quarterly) program. Monthly trading-day adjustments are calculated by the X-11 program from 7 daily weights (one for each day of the week, some of which may be zero) combined according to the number of times each day of the week occurs in the particular calendar month. Allowance for the varying lengths of calendar months may be included in either the trading-day adjustments or the seasonal factors. The trading-day weights may be supplied independently from previous or external information to effect the trading-day adjustment prior to seasonal analysis by the X-11 program. Alternatively, use may be made of the X-11 trading-day regression which derives a set of trading-day weights by relating the pattern of fluctuation in the estimated irregular component to the pattern of changing combinations of days of the week in the calendar months. The regression procedure may be used in conjunction with a prior trading-day adjustment to test for residual trading-day variation or alternatively to obtain improved estimates by combination of the prior weights and the residual regression estimates. Further options provide for the calculation and/or application of regression estimates of trading-day variation either to the whole series or the part of the series following a specified year; and variation of limits for identifying extremes which are excluded for purposes of the trading-day regression. Trading-day adjustments made to series in this publication are largely based on regression estimates obtained in special analyses by the X-11 program made beforehand.
- (f) *Adjustment for severe industrial disputes or other major irregular occurrences.* By the application of this option, the figures for months or quarters affected by an industrial dispute are replaced in the calculation of trend by substitutes more in line with preceding and subsequent figures. The seasonal-irregulars for the period are then more clearly identified and discounted as extreme, while the effects of the industrial dispute are fully reflected in the seasonally adjusted series. Care must be exercised in using this option which may also affect estimation for periods of marked trend change. No use has been made of this option in the adjustment of series included in this publication.
- (g) *Prior adjustment.* Prior to seasonal analysis, an adjustment may be made to any one or more of the figures in a series to yield a prior adjusted series. Seasonal factors for the prior adjusted series are then estimated and are used, either by themselves or combined with the appropriate prior adjustment factors, to seasonally adjust the

original series. Calendar effects, where measurable, are estimated by regression methods on the basis of the series' past behaviour. These measures are then used to deduce prior adjustment factors appropriate to each month or quarter of the series. Combining these prior adjustments with seasonal adjustments derived from seasonal analysis of the prior adjusted series provides combined adjustment factors by which the original series is seasonally adjusted. Such uses made of prior adjustment are:

- (i) *Trading-day variation in quarterly series* where measurable trading-day patterns are detected;
- (ii) *Special types of trading-day variation* other than simple weekly patterns, such as fortnightly pay-days;
- (iii) *Movable public holidays*, namely, Easter which may fall in either March or April, and Australia Day which may fall in either January or February, where such effects are measurable and significant.

Prior adjustment may be used where series are subject to abrupt discontinuities affecting the seasonal pattern or the trend, or exceptionally large irregular movements where they would, if not allowed for in the seasonal analysis, adversely influence the estimation of seasonal factors, at least for periods immediately preceding and following such influences. This technique is used in this way only in cases of discontinuities or irregularities of a magnitude larger than may be handled satisfactorily by the graduated treatment of extreme values performed by the X-11 programs, and then only when the nature of the disturbance is understood and its magnitude known sufficiently accurately. Prior adjustment factors may be estimated by statistical comparison of data before and after the change or on the basis of supplementary information if available. These prior adjustment factors are applied in cases of discontinuities to the figures for months or quarters preceding the discontinuity, to align their seasonal pattern or trend with that of subsequent original figures. In the case of exceptional irregular movements, these factors are applied to the months or quarters affected to align their figures with original figures for preceding and succeeding periods. Seasonal adjustment factors are then derived for the prior adjusted series, and are thus unaffected by the discontinuity or irregularity so allowed for. Such cases in which use is made of prior adjustment are:

- (iv) *Abrupt changes in seasonal pattern*, for instance those affecting several production series following extensions of statutory annual leave at various times. In these cases, prior adjustment factors are combined with the seasonal adjustment factors derived from the prior adjusted series to yield combined factors by which the original

figures are seasonally adjusted. This technique cannot reasonably be applied at the time of the change in seasonal pattern, but only some years after the event when the magnitude and persistence of the discontinuity is established.

- (v) *Abrupt trend discontinuities*, which can arise from a change in the concepts, definitions or coverage of a statistical series, as for instance in seasonally adjusting quarterly retail sales at constant prices, breaks in which occur owing to changes of base year. Seasonal factors derived from the prior adjusted series are applied directly to the original series to yield a seasonally adjusted series which fully reflects the trend discontinuity. This technique is particularly useful when the discontinuity affects the most recent months or quarters of a series at the time of a re-analysis, as without it satisfactory seasonal adjustment may not be possible. In this case, however, a prerequisite is a satisfactory estimate of the magnitude of the trend discontinuity.
- (vi) *Exceptionally large irregular movements*, which might result from a severe industrial dispute or similar exceptional events. As in the case of trend discontinuity, seasonal adjustment factors derived from the prior adjusted series are applied to the original series, so that the effects of the exceptional movement are fully reflected in the seasonally adjusted series. This technique is only applied retrospectively at the time of subsequent re-analyses.

17. Greater detail on the methods used to overcome abrupt changes in seasonal pattern and abrupt trend discontinuities was given in Appendix E of *Seasonally Adjusted Indicators* 1978. Prior adjustments for abrupt trend discontinuities and exceptionally large irregular movements only need to be made at the time of subsequent re-analyses, since previous estimates of forward factors are not affected by the disturbance and are therefore still appropriate. However when series are substantially revised or when substantial abrupt trend discontinuities occur, series are often re-analysed in order to ensure that factors applied are the most appropriate.

18. Users should take note of whether use has been made of trading-day adjustments or prior adjustments for any purposes. This is important as their application can markedly affect the results obtained and the interpretation to be placed on them.

19. Except where the series have been adjusted aggregatively (see below), the particular program options employed in the adjustment of Australian and State series published by the ABS (and certain other organisations) are set out in Tables 1 and 3 respectively in Appendix B, 'Methods of Adjustment Employed'.

**Aggregative seasonal adjustment**

20. The foregoing account of the application of the X-11 programs applies to the adjustment of a series as it stands, that is, the *direct adjustment* of the original series. Alternatively it is possible to adjust an aggregate series by seasonally adjusting a number of its components and adding up the results. In cases where the component series exhibit markedly different trends and seasonal patterns, *aggregative adjustment* may be preferred to direct adjustment.

21. Alternative adjustments are evaluated by comparisons of figures, graphs and summary measures produced for each adjustment. In assessing the alternatives consideration is given to the technical tests of the quality of the adjustments, how each adjustment rates against subject matter expectations based on known influences, and the importance of maintaining accounting relationships for the particular set of series.

22. It should be noted that direct adjustment has been used for certain aggregate series published by the ABS. Following this approach components and aggregates have been adjusted independently. This means that while the unadjusted components usually add to the totals, the adjusted components may not add to the adjusted totals. The differences are generally not large, in comparison with the month-to-month variability of the seasonally adjusted series.

23. Most of the seasonally adjusted series for principal aggregates in the national accounts and balance of payments have been obtained aggregatively, that is, by adding or subtracting seasonally adjusted component series. Besides retaining, as far as possible, the essential accounting relationships, the aggregative approach is needed because many of the aggregates include components having different characteristics, and requiring different methods of adjustment. The balances in the balance of payments have been adjusted by differencing two seasonally adjusted totals. While this maintains the accounting relationships particular caution should be exercised in analysing the results because they could contain irregular fluctuations somewhat larger than those appearing in the individual series being differenced.

24. In addition to the principal aggregates in the national accounts and balance of payments, aggregative adjustment is employed in seasonally adjusting certain series which are comprised of disparate components (e.g. motor vehicle registrations and housing finance for owner occupation). Where series have been adjusted aggregatively, details of the methods used are presented in Table 2 in Appendix B.

**Summary measures**

25. The X-11 programs provide a large range of statistical measures, tests of significance and graphs which are used in the choice of program options. Some of the summary measures help the user to interpret the results

by giving an indication of the relative magnitude of the seasonal effects which have been removed from the series and a guide as to how much of the variability of the series is due to trend and irregular elements. Some of the more important and easily interpreted summary measures for each of the *directly adjusted* Australian and State series published by the ABS (and certain other organisations) are given in Tables 4 and 5 respectively in Appendix C, 'Measures of Variability'.

26. The summary measures given in Appendix C are the average percentage change from month-to-month (quarter-to-quarter) (without regard to sign) in the original, seasonally adjusted, trend and irregular series, in the seasonal factors, and in the trading-day adjustments where these have been made. A comparison of movements in the irregular, the seasonal and other factors indicates the relative importance of each of these influences in the average variability of the series. The adequacy and usefulness of an adjustment is reduced when the influence of the irregular exceeds the combined influences of the seasonal, trading-day and other factors. Any series with an irregular variation greater than 10% is difficult to adjust adequately and estimates of seasonal and trading-day factors are likely to be less reliable and subject to larger than normal revisions in subsequent re-analyses. For seasonal factors, the average percentage change from year-to-year (without regard to sign) is also given. This shows the average rate at which the seasonal pattern is estimated to have been changing from year-to-year.

27. Also included in Appendix C are measures called *Months for Cyclical Dominance* (MCD) and *Quarters for Cyclical Dominance* (QCD). These are measures obtained by calculating the average percentage change (without regard to sign) in the trend and irregular components over successively longer time spans. That is, the average percentage change (without regard to sign) is first calculated over observations one month (quarter) apart, then two months (quarters) apart and so on. The MCD (QCD) is the shortest span of months (quarters) it takes for the average percentage change (without regard to sign) in the trend to exceed that in the irregular. Where that span is six months (two quarters) or greater the MCD (QCD) is recorded as six (two).

28. The MCD (QCD) gives a broad indication of the relative importance of the trend component compared with the irregular and indicates over what span a movement in the seasonally adjusted series is likely to be attributable to movement in the trend rather than in the irregular. The MCD (QCD) can be used as one way of calculating crude trend-cycle estimates from seasonally adjusted figures published by the ABS. A centred moving average of roughly the same period as the MCD (QCD) can be applied to smooth out the seasonally adjusted series e.g. for a monthly series with a MCD of 3, a simple 3-term moving average would be applied. This reduces the irregularity present and makes the trend-cycle more readily apparent. Calculating the one period percentage change between consecutive three monthly sums of



seasonally adjusted data is identical to calculating the one month percentage movements in the trend-cycle estimates obtained by applying a centred three term moving average to the seasonally adjusted data. For instance, an increase of 1.5 per cent in the value of the seasonally adjusted data for three months ended January 1983 compared to the three months ended December 1982 is the same as a 1.5 per cent increase in the trend-cycle between November and December 1982 (the central months of the consecutive moving averages being compared). This simple 3-term moving average is only one of many that could be applied. Longer moving averages (e.g. the Henderson weighted moving averages) will reduce the irregularity further, but also increase the loss of terms at the ends of the series.

29. The measures of variability relating to the original, seasonally adjusted and trend series exclude the effects of abrupt changes in the level for which prior adjustments have been made. The measures of variability for the seasonal factors exclude the effects of abrupt changes in seasonal pattern for which prior adjustments have been made.

30. The measures of variability given in Appendix C serve to give some indication of whether a movement in a seasonally adjusted series is attributable to influences beyond the normal irregular variation and normal changes in the seasonal pattern. It should be remembered that measures of the month-to-month and year-to-year change given in Appendix C are averages; changes for the individual months and years may be considerably larger or smaller than the averages shown.

#### Revisions to seasonal factors

31. It is necessary to revise seasonally adjusted statistics from time to time. This is necessary not only because of amendments in the original series, but because the adjusted series is changed every time the computer analysis is repeated to bring in another year's figures (a re-analysis). This means revision of the whole seasonally adjusted series, although the changes in early years would be expected to be minor. The fact that seasonally adjusted series will be revised every time the program absorbs another year's data is inherent in the nature of the X-11 program and, in fact, most complex programs of this kind. In effect, the new data provides further observations upon which estimates of trend, seasonal factors and limits for identifying extreme values are based. The latter estimates, presumably the more accurate, can generally be expected to differ somewhat from earlier ones based upon less recent original data.

32. A study carried out some years ago indicated a rough rule of thumb for expected revisions to seasonally adjusted series due to a subsequent re-analysis. The average of the percentage revisions to the seasonally adjusted series for the most recent common year, can be expected to be approximately one-half the average percentage change from month-to-month in the irregular series (given in Appendix C), but this can be expected to fall to about one-fifth of the average percentage change from month-to-month for years four or more earlier.

33. In the seasonally adjusted figures for some individual months (or quarters), however, some revisions may be considerably larger (or smaller) than those suggested by this rule of thumb. The tendency to larger revisions is most marked for months (or quarters) affected by large changes in trend or seasonal pattern. These occurrences are often not recognisable or able to be taken account of until some time after the actual change. They can therefore lead to larger than normal revisions when they are allowed for at the time of subsequent re-analysis. As might be expected, the tendency of successive revisions is generally to 'smooth out' fluctuations appearing in the initial seasonally adjusted series.

#### National accounts series

34. This publication includes a selection of the seasonally adjusted series published in *Quarterly Estimates of National Income and Expenditure, Australia* (5206.0). Owing to the difficulty of obtaining the necessary up-to-date and detailed data, much of the current information used in preparing the original figures is usually of an approximate nature and is subject to revision as more complete and accurate information comes to hand. Consequently, both the original and seasonally adjusted series are subject to frequent amendments. As mentioned previously most of the seasonally adjusted national accounting aggregates have been derived using aggregative methods, that is, as the sum of seasonally adjusted component series rather than by direct adjustment of the aggregate series. Also, since some of the series are not amenable to the usual methods of seasonal adjustment, special methods of adjustment have been used in some cases. A description of the methods of adjustment employed is given in Appendix B. Similar comments apply to the series comprising the balance of payments current account.

#### Arithmetic transformations of seasonally adjusted series

35. Users should note that arithmetic transformations (e.g. addition, subtraction, multiplication, division) of two or more seasonally adjusted series do not necessarily produce series which are optimal or even adequate adjustments of the similarly transformed original series. Critical examination of the component and resulting series, both in original and seasonally adjusted terms, is necessary when following procedures of this type. In some instances the particular transformation, when applied to the original series in the same manner, may produce a series which contains little or no seasonality (although the component series are seasonal). This arises particularly when data is manipulated within a group of related series where series often have very similar seasonal patterns e.g. dissections of a particular aggregate or corresponding current and constant price series.

36. Even if the resulting original series is seasonal, the indirect adjustment obtained by the transformation may not be adequate or may be inferior to either a direct adjustment or one using an alternative approach. It is possible for estimation errors to accumulate in the transformation to the indirectly adjusted series and so pose a greater risk of misinterpretation. In the case where the transformed original series shows little or no seasonality it may be more appropriate to use the original series rather than the indirectly adjusted series.

## Limitations of seasonally adjusted statistics

37. Despite their versatility, the X-11 programs rely essentially upon the logic of the simple classical methods described earlier. Although they overcome many of the shortcomings of simpler methods, they are subject to the same basic limitations of all such methods. Of these, the most important limitation stems from the inherent impossibility of defining precisely the trend, seasonal and irregular components (at least for statistics relating to economic and social phenomena) except in terms of estimates obtained by a particular method. Consequently, no objective assessment of reliability may be made for any such methods, and comparisons of results obtained by alternative procedures must always involve an element of judgement.

38. A further limitation derives from a fundamental assumption underlying seasonal analysis and adjustment techniques. It is assumed implicitly that while trends and seasonal patterns underlying the series may change, such changes are not abrupt. The X-11 programs, and in fact all seasonal adjustment programs yet developed, tend to yield recognisably unsatisfactory results where an abrupt change affects the level or seasonal pattern of a series.

39. The optional alternative procedures allowed by the X-11 programs provide some means for overcoming problems of this kind. However, the remedies provided by the X-11 programs are available only some time after the change has occurred. It is impossible in most cases to recognise and assess changes in seasonality at the time they occur. The statistical method alone cannot indicate

whether an unexpected movement appearing in current seasonally adjusted figures denotes a variation in trend, or an unusual (irregular) effect, or whether it is due to an abrupt change in seasonality.

40. When unexpected movements occur in a series, these movements are queried with those sections of the ABS and other organisations who have responsibility for the original statistics. Explanations of the movements are essential in order to assess the adequacy of particular seasonal adjustments and to help decide whether various prior adjustments may be required. The process of gathering information about the cause of seasonal (and other calendar) variations and unusual movements is perhaps more important in improving the quality of adjustments than the actual statistical method applied.

41. It should be borne in mind that by using alternative program options or differing time spans of data, the X-11 programs will yield results which may differ markedly from each other. As implied above, it is sometimes by no means easy to decide which options should be employed. Although the minimum time span required for the practical application of the X-11 programs is three years, it is usual practice for publication not to commence until at least four or five observations per month (quarter) are available, i.e. four or five years of data. The reason for this is the inherent difficulty in estimating with a sufficient degree of confidence the trend, seasonal and irregular components over very short time periods. For quite irregular series longer periods are required for satisfactory adjustments.





## INTERPRETATION OF SEASONALLY ADJUSTED STATISTICS

Users of seasonally adjusted statistics should bear the following points in mind:

1. Seasonal adjustment is a means of removing the estimated effects of normal seasonal variation from statistical series, so that the effects of other influences on the series may be more clearly recognised.
2. In the adjustment of certain statistical series published, adjustments have been made for the effects of some calendar variations, for example : 'trading-day' effects, (for instance having four or five Fridays in a particular month); and the effects of movable holidays, like Easter and Australia Day. These adjustments have been made where warranted by prior analyses. Since these adjustments materially affect the results, users should particularly note whether or not these calendar adjustments have been made to particular series.
3. Seasonal adjustment does not remove irregular influences which may be present in any particular month or quarter, such as the effect of a major industrial dispute or abnormal weather.
4. Since seasonally adjusted statistics reflect irregular movements as well as trend, they may not be the 'smooth' series the user may expect, and an unexpected upward or downward movement in a seasonally adjusted series does not necessarily denote a change of trend.
5. Seasonally adjusted series can only be used approximately as measures of trend. Interpretation of movements in, a seasonally adjusted series requires careful judgement on the part of the user, which must be based either on accurate knowledge of the influences affecting the series or on some procedure that minimises the irregular movements.

6. Some series are subject to large irregular fluctuations and particular care should be exercised in interpreting month-to-month or quarter-to-quarter movements in these series.

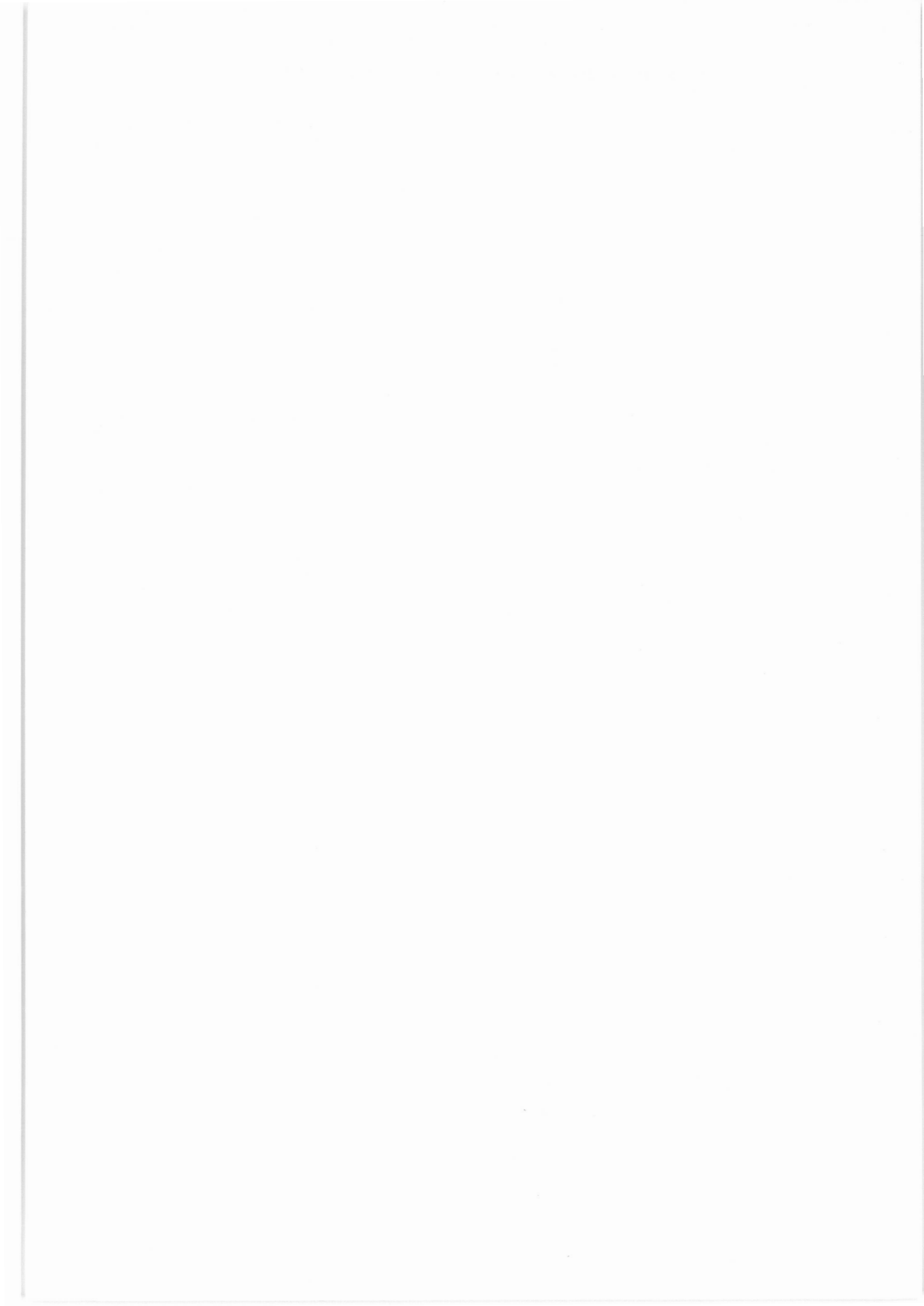
7. The methods of seasonal adjustment employed allow for gradual changes in the seasonal pattern, so that current figures are adjusted in accordance with the estimated normal seasonal pattern of the recent past. However, the methods used may not give an adequate adjustment if there should be an abrupt change in seasonal pattern that cannot be quantified or a sudden change in the nature of the series.

8. The methods require judgement to be used in the choice of certain specifications—though once the specifications have been chosen, the adjustment of the statistics proceeds each month without subjective judgement having to be used. For this reason the adjusted series are not definitive statistics in the same sense as the original statistics are.

9. Seasonally adjusted statistics will be revised following revisions to the original data and as additional data are brought into the analysis each year.

10. Users should take care when performing arithmetic transformations on two or more seasonally adjusted series. As all seasonally adjusted series contain some degree of estimation error it is possible for these errors to accumulate during the transformation. The original series produced by similar transformations may not, in particular instances, contain significant seasonality.

*For these reasons, therefore, it would be neither reasonable nor prudent to regard seasonally adjusted series as 'definitive'. Further, care is required when deciding whether a seasonally adjusted movement is a change in the trend, the irregular effect, or both.*



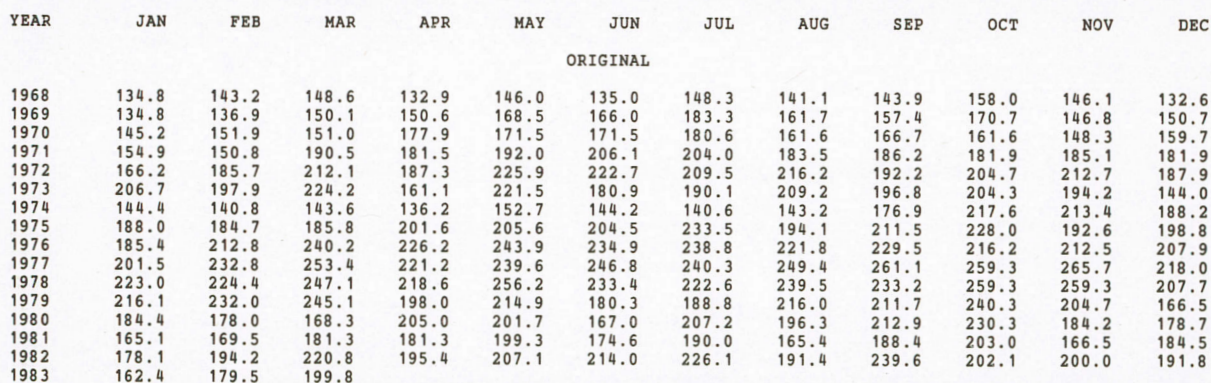
## TABLES AND GRAPHS

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## 2.

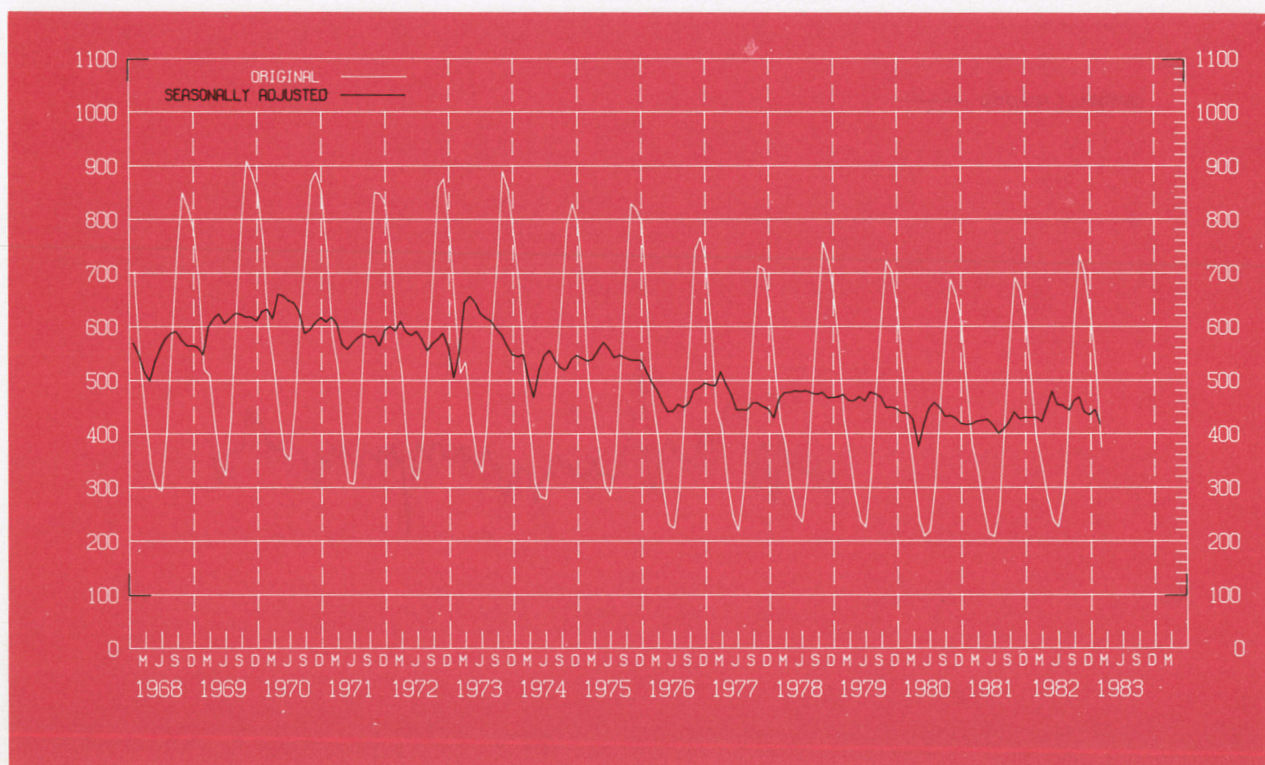
## '000 TONNES

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## WHOLE MILK INTAKE BY FACTORIES (A)

MILLION LITRES



YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
ORIGINAL												
1968	701	538	434	338	299	293	405	583	737	850	820	777
1969	685	520	509	413	345	322	427	620	789	910	886	851
1970	763	601	530	435	362	350	446	622	736	868	887	851
1971	742	584	526	374	308	306	397	587	714	850	847	827
1972	737	579	519	380	329	313	390	550	700	860	876	782
1973	638	513	535	426	356	328	418	599	721	890	858	775
1974	678	504	410	307	282	278	377	521	648	789	829	791
1975	673	490	433	360	303	284	359	526	687	830	818	792
1976	635	463	392	293	230	223	298	440	577	743	767	721
1977	597	445	412	311	245	219	290	443	590	714	707	642
1978	524	423	379	295	248	235	313	473	621	758	725	666
1979	572	429	363	288	237	226	315	477	611	723	702	634
1980	523	414	334	237	209	219	300	450	587	688	660	608
1981	491	377	335	264	213	208	262	414	570	692	669	616
1982	503	388	338	281	240	226	293	455	618	734	701	621
1983	520	375										

## SEASONALLY ADJUSTED

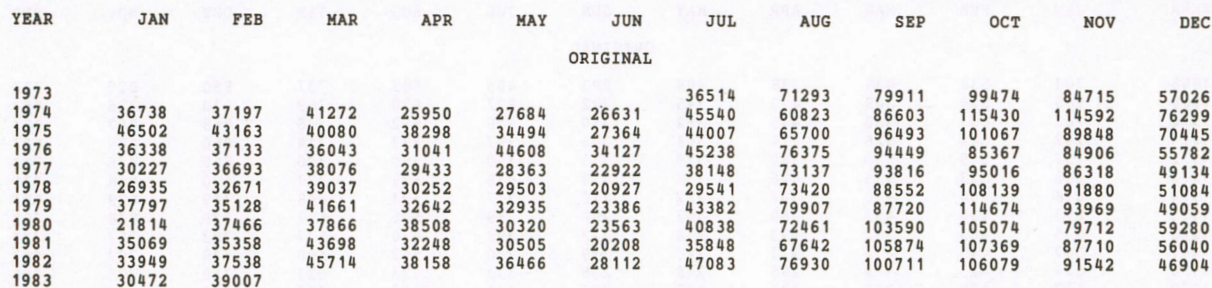
1968	570	550	518	500	535	561	580	589	592	576	565	565
1969	563	548	601	618	625	607	617	627	625	620	620	612
1970	630	635	616	662	658	650	645	629	589	596	609	619
1971	611	620	606	568	560	572	582	589	583	584	566	596
1972	603	593	613	592	586	593	578	557	570	579	590	563
1973	506	553	647	658	648	627	618	612	598	586	566	550
1974	546	550	506	470	519	548	558	540	526	521	542	549
1975	543	538	541	558	573	562	545	549	544	541	539	539
1976	520	499	484	462	443	444	458	451	459	485	489	498
1977	493	492	519	495	476	447	448	446	460	461	453	449
1978	432	468	479	480	483	482	483	479	477	480	470	471
1979	471	476	465	464	472	464	481	478	472	452	452	450
1980	441	442	430	379	420	450	461	452	435	437	432	422
1981	420	421	427	428	429	419	404	413	424	443	431	434
1982	433	434	426	453	483	458	456	447	466	472	444	437
1983	448	420										

(A) UP TO JUNE 1978 THESE DATA WERE COMPILED BY THE AUSTRALIAN BUREAU OF STATISTICS. FROM JULY 1978 THESE DATA HAVE BEEN COLLECTED BY THE AUSTRALIAN DAIRY CORPORATION AND INCLUDE THE WHOLE MILK EQUIVALENT OF FARM CREAM INTAKE.



## 4.

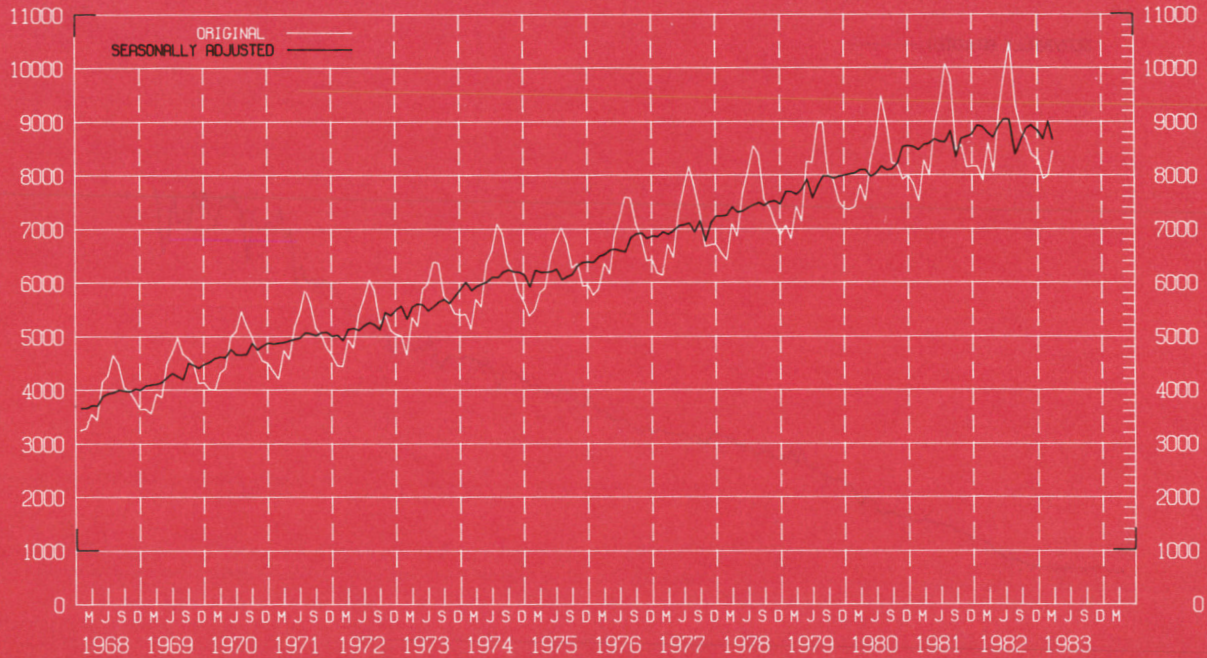
## TONNES

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## ELECTRICITY PRODUCTION

MILLION KILOWATT HOURS



YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
ORIGINAL												
1968	3250	3287	3550	3440	4153	4265	4655	4492	4051	3967	3807	3639
1969	3647	3560	3929	3858	4485	4697	4977	4675	4596	4491	4127	4141
1970	4014	3994	4320	4400	5002	5091	5471	5196	4997	4737	4546	4498
1971	4350	4206	4743	4582	5191	5457	5891	5618	5158	5030	4800	4654
1972	4453	4440	4945	4788	5425	5706	6061	5846	5242	5408	5114	5042
1973	5008	4657	5359	5193	5891	5980	6390	6366	5756	5640	5429	5398
1974	5413	5141	5695	5554	6369	6592	7107	6917	6353	6205	5830	5646
1975	5379	5489	5824	5907	6482	6795	7028	6776	6274	6362	5940	5958
1976	5769	5887	6367	6165	6868	7201	7601	7581	7090	6841	6408	6435
1977	6176	6138	6717	6470	7312	7763	8171	7788	7311	6679	6704	6724
1978	6552	6427	7105	6869	7683	8082	8555	8386	7553	7398	7112	6886
1979	7077	6820	7426	7143	8261	8240	8977	8991	8026	7911	7510	7381
1980	7366	7414	7824	7524	8279	8707	9486	8973	8231	8206	7927	7999
1981	7834	7521	8284	7999	8940	9381	10078	9796	8471	8572	8150	8168
1982	8166	7903	8606	8071	9178	9873	10476	9296	8818	8697	8381	8293
1983	7941	8000	8452									

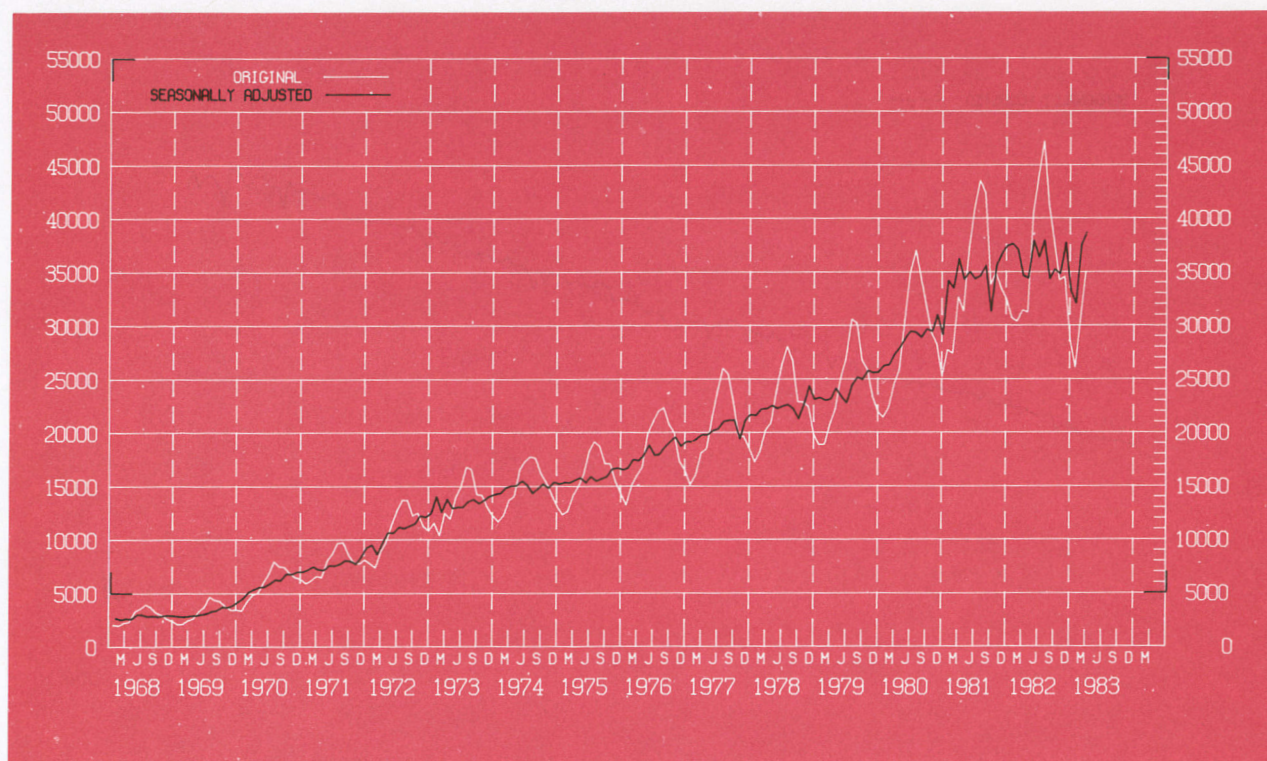
## SEASONALLY ADJUSTED

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1968	3650	3648	3707	3689	3871	3926	3946	3992	3977	3959	4016	3992
1969	4071	4089	4100	4129	4226	4298	4240	4184	4493	4454	4400	4476
1970	4511	4580	4612	4594	4749	4645	4643	4655	4866	4742	4815	4869
1971	4851	4868	4882	4908	4938	4964	5060	5039	5005	5065	5072	4997
1972	5014	4911	5127	5139	5105	5193	5250	5204	5121	5442	5375	5488
1973	5554	5305	5538	5597	5575	5466	5539	5637	5682	5604	5733	5866
1974	6002	5842	5916	5967	6005	6093	6086	6189	6232	6191	6184	6129
1975	5906	6225	6180	6183	6188	6244	6042	6103	6140	6317	6369	6377
1976	6370	6479	6514	6598	6610	6579	6562	6827	6899	6914	6808	6858
1977	6839	6935	6887	6954	7049	7069	7102	6926	7147	6760	7102	7230
1978	7231	7247	7400	7302	7320	7386	7435	7482	7419	7496	7511	7451
1979	7687	7678	7628	7722	7909	7558	7796	7971	7971	7923	7963	7984
1980	8004	8024	8084	8087	7960	8015	8151	8082	8100	8208	8522	8537
1981	8516	8457	8554	8577	8661	8606	8601	8817	8317	8669	8703	8745
1982	8915	8883	8772	8687	8898	9026	9026	8365	8633	8858	8919	8823
1983	8660	8991	8646									



GAS PRODUCTION (A)  
AVAILABLE FOR ISSUE THROUGH MAINS

MILLION MEGAJOULES



YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
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## ORIGINAL

1968	1994	1941	2258	2332	3323	3608	3957	3672	3155	2933	2585	2384
1969	2057	2100	2458	2638	3292	3724	4652	4379	4231	3756	3429	3461
1970	3345	4220	4874	5064	5951	6774	7997	7523	7438	6879	6489	6288
1971	5919	6183	6594	6489	8040	8715	9714	9756	8595	7861	7753	8154
1972	7778	7402	8903	9742	11372	12741	13733	13691	12239	12502	11241	10829
1973	11569	10397	12493	11962	13974	14945	16805	16587	14225	14157	13016	12253
1974	11704	12275	13695	14082	16555	17339	17777	17592	16194	15336	14208	13116
1975	12354	12682	14141	14989	16159	18276	19157	18737	17109	17094	15418	14312
1976	13260	14990	15975	16770	19819	20983	22001	22337	20750	19969	17293	16498
1977	15117	16058	18137	18471	21398	23854	26025	25479	22804	19619	19627	18488
1978	17243	18284	20226	20903	23768	26323	28038	26776	22886	22813	22404	19795
1979	18839	18892	20823	22212	25076	26884	30611	30228	26762	25885	23328	21930
1980	21433	22369	24503	25905	30605	34984	37060	34502	31793	29275	28305	25248
1981	27730	27424	32684	31366	37459	41060	43558	42398	33827	34962	33480	32445
1982	30702	30373	31414	31251	40493	43996	47237	41161	37766	34236	34520	28659
1983	26081	30678	35056									

## SEASONALLY ADJUSTED

1968	2677	2522	2659	2601	3015	3000	2854	2882	2820	2898	2932	2905
1969	2791	2803	2902	2914	3023	3102	3337	3427	3740	3708	3907	4246
1970	4598	5165	5416	5616	5665	5969	6316	6260	6887	6833	7056	7041
1971	7232	7530	7252	7192	7662	7588	7775	8102	8017	7748	8403	9269
1972	9552	8654	9778	10703	10665	11206	11076	11315	11522	12243	12126	12503
1973	14093	12611	13825	12986	13074	13077	13603	13802	13396	13719	14097	14267
1974	14367	14892	15069	15109	15541	15124	14369	14782	15219	14841	15391	15233
1975	15369	15352	15593	15831	15338	15891	15502	15737	15918	16622	16726	16546
1976	16759	17513	17406	17948	18858	17932	17970	18681	19174	19597	18758	19166
1977	19145	19458	19834	19816	20226	20379	21081	21181	21173	19426	21174	21688
1978	21605	22237	22243	22559	22278	22490	22641	22212	21309	22641	24409	23126
1979	23296	23033	23182	24146	23394	22804	24456	25168	24987	25796	25607	25666
1980	26279	26386	27321	27964	28819	29501	29385	28895	29699	29461	31056	29154
1981	34229	33527	36266	34324	35061	34369	34666	35621	31332	35621	36740	37476
1982	37662	37154	34642	34421	37946	36402	37970	34358	35239	34814	37757	33215
1983	32050	37538	38664									

(A) FROM JULY 1969 INCLUDES NATURAL GAS.











CLAY BRICK PRODUCTION  
MILLION

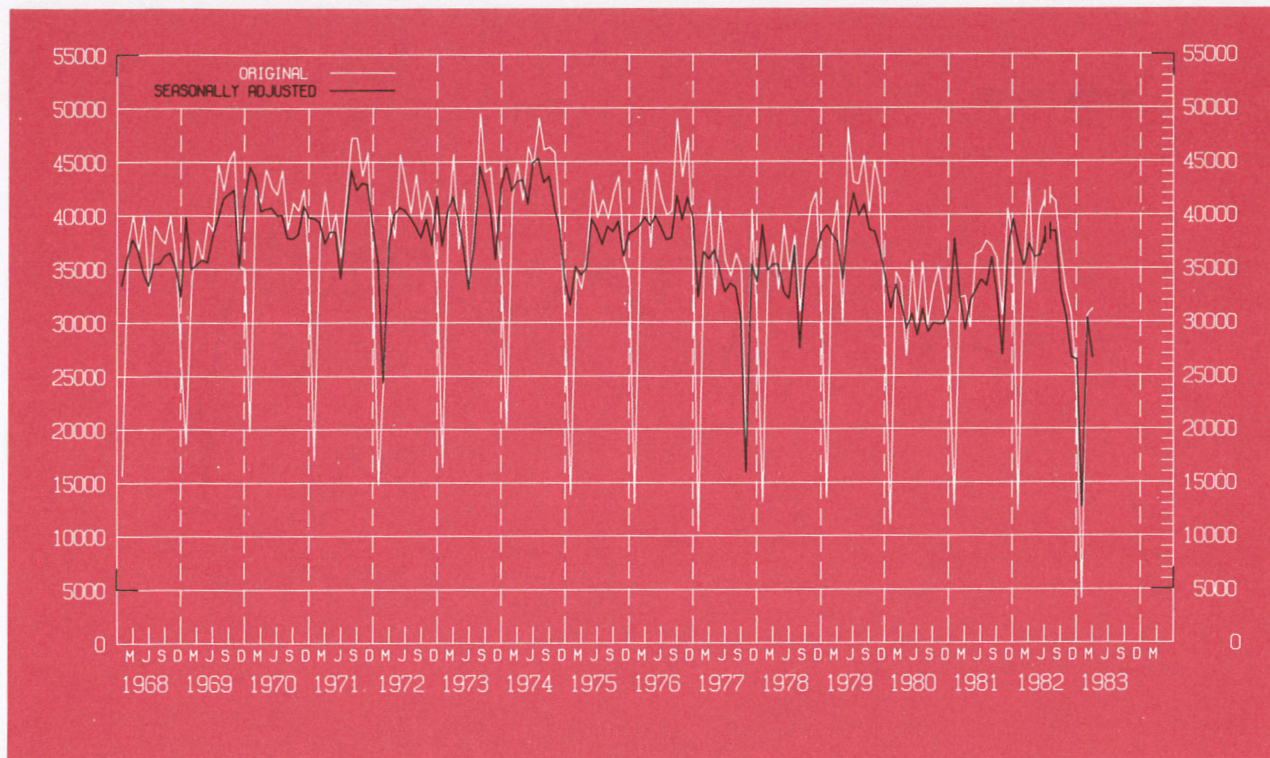
YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
	ORIGINAL											
1968	91	122	128	121	137	122	138	134	132	145	142	122
1969	106	136	141	138	144	135	156	147	151	156	141	131
1970	105	141	140	142	144	142	142	141	151	142	146	129
1971	100	132	153	135	147	151	151	155	147	149	157	130
1972	97	147	155	139	167	155	147	162	167	166	168	143
1973	132	151	169	145	154	162	178	185	171	183	178	155
1974	140	165	173	169	189	168	189	167	162	155	143	119
1975	78	129	133	142	152	143	153	149	157	162	148	139
1976	95	156	173	161	167	173	176	183	181	183	193	157
1977	108	168	181	163	175	175	171	183	168	161	173	144
1978	101	156	164	151	171	165	149	162	159	167	172	143
1979	117	158	183	164	190	172	188	201	184	200	202	161
1980	137	185	191	176	189	186	205	188	196	202	187	175
1981	133	179	207	189	195	197	194	189	198	201	193	184
1982	127	172	202	183	189	188	178	170	164	149	156	107
1983	47	111	141									

[illegible]



## MOTOR VEHICLE PRODUCTION

NUMBER



YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
ORIGINAL												
1968	15670	37296	40022	36685	40015	32781	39036	37926	37383	39881	36092	26322
1969	18616	34002	37664	35788	39377	38538	44741	42351	45121	46044	35228	34993
1970	19834	42422	41189	44299	42661	41935	44213	38697	41166	40414	42422	34547
1971	17102	37529	42277	37942	40151	36063	42007	47230	47217	43665	45911	33592
1972	14776	25057	40877	37840	45689	43056	40206	43811	39641	42270	40572	33453
1973	16399	39446	45669	36831	42378	33319	39501	49512	43990	44485	38730	34567
1974	20110	41480	44796	41393	46401	44620	49051	46104	46345	45788	39274	28948
1975	13872	34656	33103	36303	43243	39717	41432	39660	42060	43622	35901	33877
1976	12991	39067	44648	36955	44294	41657	40002	40403	49032	43551	47173	35684
1977	10402	36315	41397	32490	40337	35747	34245	36391	34927	17515	40491	29391
1978	13142	34683	37244	33036	39078	34832	38052	30980	37324	40837	42108	31998
1979	13516	38058	41327	29914	48136	43035	42849	45510	40250	45018	42425	28799
1980	11087	34643	33584	26770	35674	29843	35526	29642	33046	35118	31968	28387
1981	12793	32260	32401	29442	36326	36550	37538	37014	35924	30581	40565	36981
1982	12322	34420	43335	32610	39901	41447	41775A	41225	36532	32942	30651	24376
1983	4123	30610	31163									

## SEASONALLY ADJUSTED

1968	33451	35986	37742	36750	34570	33421	35467	35497	36261	36536	35236	32423
1969	39843	34974	35429	35873	35577	37997	39755	41599	42040	42393	35122	41558
1970	44570	43442	40377	40625	40723	39974	40020	37859	37797	38243	40934	39783
1971	39753	39384	37378	38501	38403	34104	39587	44271	42354	43043	42887	38963
1972	35556	24322	37426	40079	40760	40416	39757	38909	37888	39642	37197	41851
1973	37117	40215	41792	39599	36917	33066	37474	44624	42732	40610	35885	42615
1974	44698	42282	43144	43338	41010	44962	45300	43030	43653	40765	38640	33888
1975	31572	35221	34380	35029	39629	38663	37230	38917	38403	39416	36092	38241
1976	38526	38981	39765	38985	39926	38846	37680	37841	41844	39530	41674	39648
1977	32294	36594	35849	36753	34790	32764	33630	33210	30351	15918	35436	33699
1978	39027	34799	35389	35386	32755	32141	37142	27526	34739	35679	36175	38302
1979	39017	38121	37443	39393	39370	42019	39906	40977	38547	38420	36689	34144
1980	31196	33488	31728	29323	30773	28721	31244	28995	29899	29762	29787	31213
1981	37764	32161	29235	31967	33027	33939	33351	36046	32507	26904	36477	39599
1982	37131	35186	37332	36021	36191	38079	38424A	38439	32688	30422	26620	26447
1983	12705	30394	26622									

(A) BREAK IN CONTINUITY OF SERIES DUE TO CHANGE IN DEFINITION - EXPLANATORY NOTES.















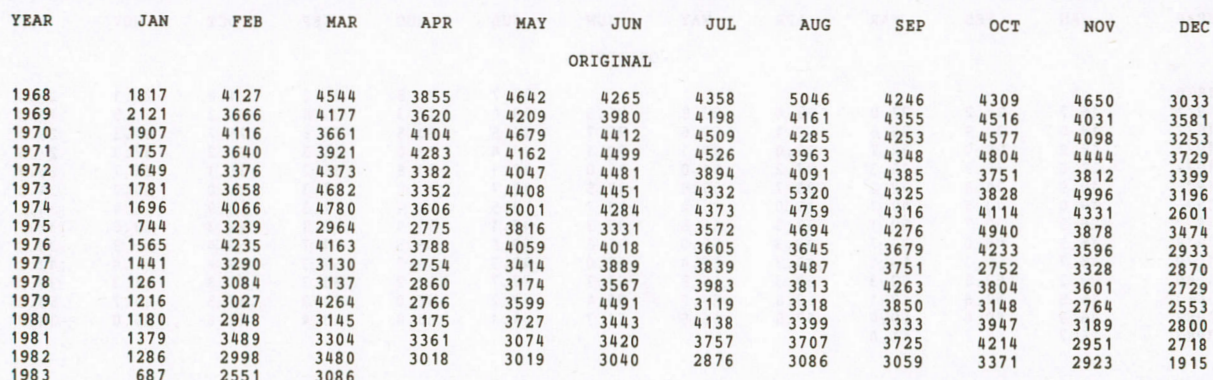








## '000 SQ. METRES

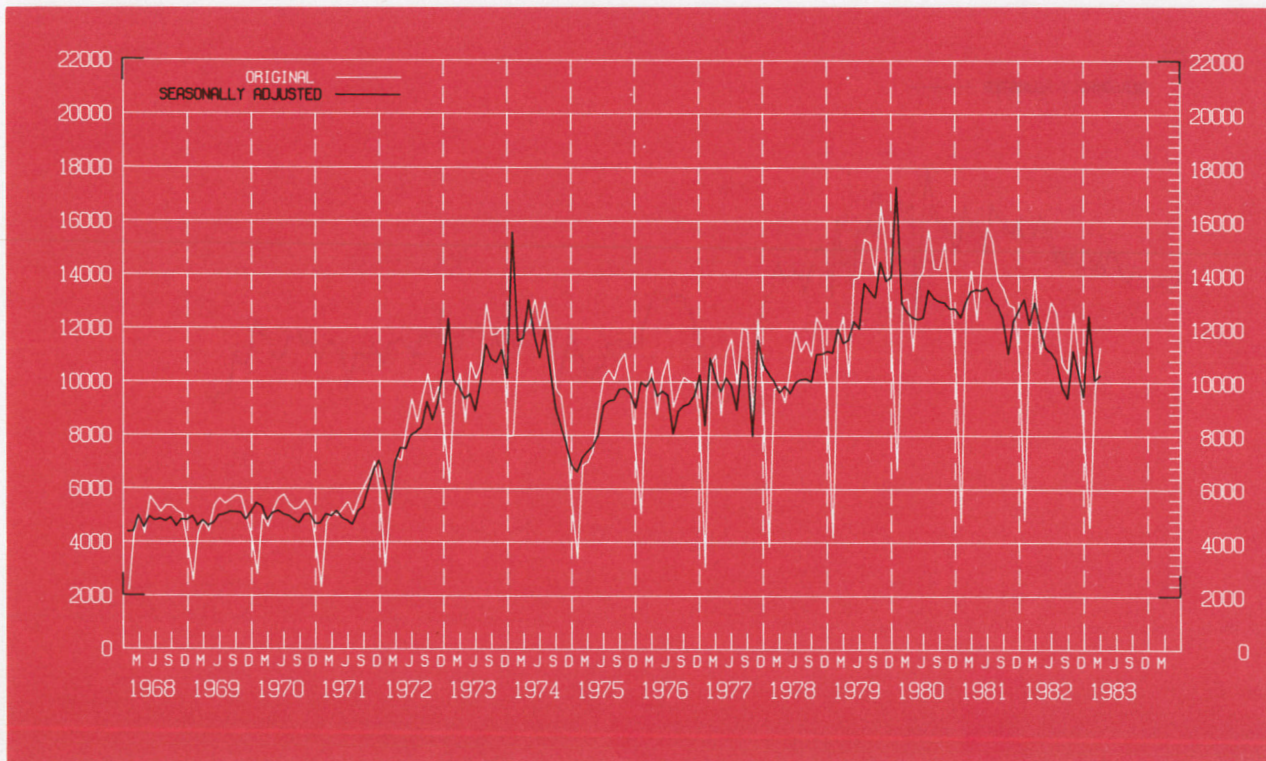


(A) PRIOR TO JULY 1979 INCLUDES 50/50 MIXTURES (BY WEIGHT) OF POLYESTER/COTTON FABRICS AND EXCLUDES TOWELLING.



## PRODUCTION OF MAN-MADE FIBRE WOVEN CLOTH

'000 SQ. METRES



YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
ORIGINAL												
1968	2197	4327	4992	4313	5685	5393	5105	5371	5362	5142	5043	3809
1969	2558	4303	4775	4384	5369	5627	5433	5584	5732	5685	4931	4142
1970	2797	5006	4565	5189	5638	5767	5388	5210	5292	5566	5161	3868
1971	2315	4759	5119	4969	5252	5500	5030	5619	6065	6462	7016	5817
1972	3065	5313	7156	7044	8237	9351	8465	9437	10294	9220	9808	8228
1973	6214	9565	10302	8481	10728	10098	10626	12891	11729	11791	12034	7941
1974	7985	11027	11820	12046	13071	12059	12965	11753	9710	9428	8027	5492
1975	3379	6878	7001	7402	8890	10142	10435	10074	10740	11062	9750	7320
1976	5059	9588	10581	8778	10239	10863	9051	9664	10182	10019	9952	8547
1977	3060	10601	11017	8754	11047	11609	9913	12022	11892	8756	12348	8911
1978	3826	9748	9836	9232	10550	11898	11126	11525	10956	12418	11956	9024
1979	4176	11647	12456	10200	13851	13916	15352	15166	14024	16574	15004	11210
1980	6684	13051	13118	11172	13817	14151	15689	14234	14216	15202	13207	10609
1981	4754	12607	14168	12305	14484	15803	15248	13806	13477	12889	12803	10811
1982	4846	11731	13973	11073	12021	12999	12578	10727	10353	12608	11028	8028
1983	4570	9739	11314									

## SEASONALLY ADJUSTED

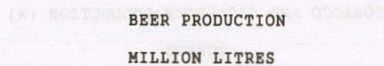
YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1968	4358	4372	4983	4517	4928	4780	4861	4763	4895	4573	4827	4795
1969	4952	4586	4801	4594	4711	4994	5024	5123	5100	5089	4819	5120
1970	5450	5309	4797	5078	5161	5022	4958	4822	4689	5015	5025	4671
1971	4675	5026	4962	5157	4880	4790	4628	5126	5312	6027	6668	7035
1972	6260	5353	6967	7509	7466	7991	8112	8298	9226	8526	9180	10367
1973	12327	10013	9775	9343	9517	8884	9976	11372	10809	10697	11173	10087
1974	15549	11493	11606	13034	11654	10856	11921	10450	8956	8310	7666	6857
1975	6613	7158	7380	7571	7997	9101	9276	9306	9709	9741	9528	8987
1976	9975	9796	10137	9447	9653	9483	8040	8896	9096	9168	9481	10255
1977	8343	10881	10115	9623	10135	9835	8924	10765	10476	7938	11556	10617
1978	10287	10001	9577	9843	9553	9970	10088	10111	9994	11031	11030	11140
1979	11057	11967	11423	11569	12253	11965	13684	13373	13131	14469	13751	13912
1980	17274	12896	12570	12385	12318	12392	13428	13107	13003	12952	12718	12734
1981	12382	12994	13380	13454	13398	13525	13035	12846	12335	11024	12271	12672
1982	13085	12101	12982	12025	11249	11091	10806	9837	9371	11161	10317	9425
1983	12466	10050	10255									

(A) PRIOR TO JULY 1979 EXCLUDES 50/50 MIXTURES (BY WEIGHT) OF POLYESTER/COTTON FABRICS.





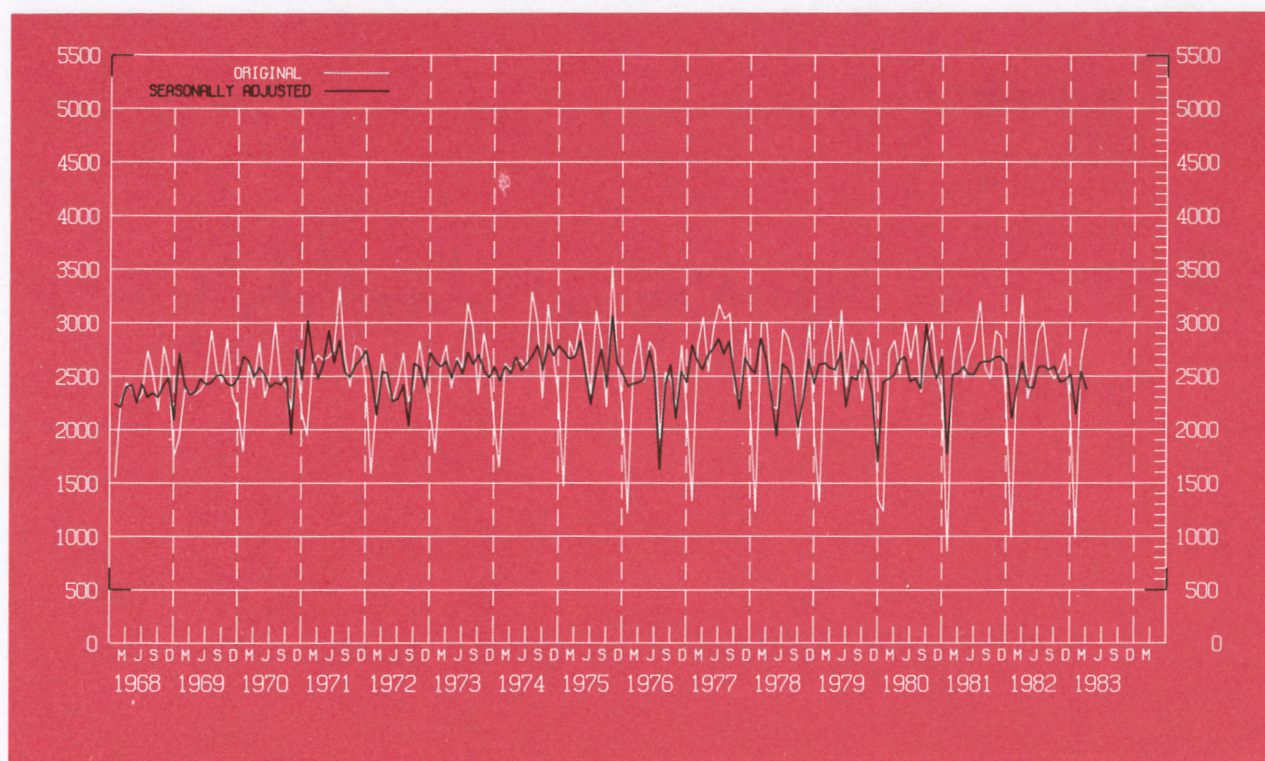






## TOBACCO AND CIGARETTE PRODUCTION (A)

TONNES

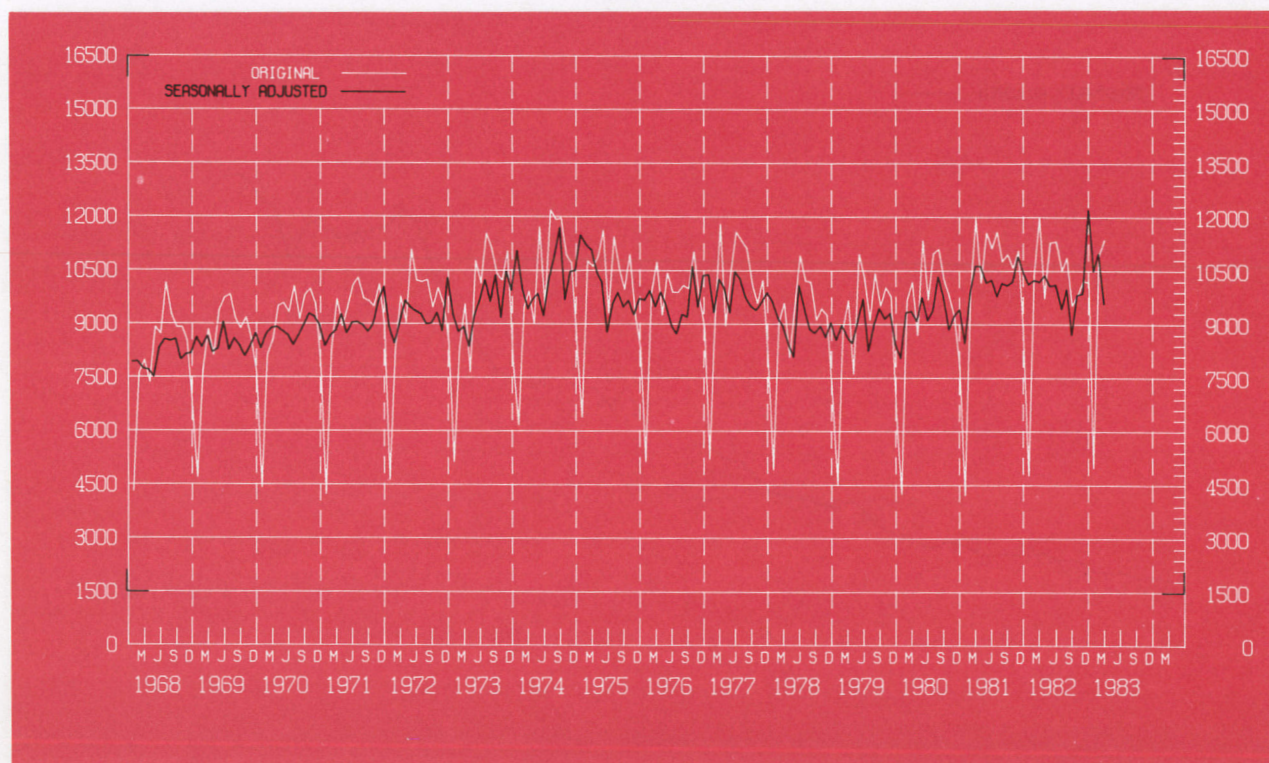


YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
ORIGINAL												
1968	1563	2258	2434	2381	2259	2337	2734	2503	2180	2781	2540	1754
1969	1919	2376	2346	2332	2373	2449	2928	2561	2440	2853	2319	2190
1970	1796	2614	2397	2818	2300	2494	2996	2465	2401	2192	2767	2167
1971	1946	2611	2698	2648	2683	2745	3330	2678	2397	2786	2742	2446
1972	1584	2207	2709	2420	2260	2439	2718	2259	2390	2824	2516	2209
1973	1782	2598	2788	2387	2674	2574	3177	2942	2327	2901	2615	2077
1974	1646	2619	2558	2638	2647	2571	3285	2998	2291	3167	2695	2301
1975	1465	2822	2684	3007	2690	2324	3105	2817	2211	3519	2648	2182
1976	1217	2585	2885	2443	2817	2731	1909	2534	2457	2195	2784	2140
1977	1330	2779	3047	2537	2964	3170	3029	3084	2346	2275	2945	2147
1978	1231	2999	2989	2212	2193	2939	2850	2656	1808	2461	2984	1934
1979	1323	2741	3020	2369	3116	2397	2858	2690	2268	2859	2588	1339
1980	1235	2727	2832	2514	2994	2660	2972	2346	2779	3003	2516	2301
1981	856	2620	2961	2477	2695	2823	3196	2569	2473	2923	2863	2240
1982	984	2453	3260	2286	2550	2913	3007	2567	2469	2554	2709	2206
1983	982	2631	2946									
SEASONALLY ADJUSTED												
1968	2234	2207	2399	2420	2247	2429	2303	2344	2300	2416	2491	2090
1969	2718	2418	2328	2352	2480	2425	2446	2508	2518	2429	2413	2491
1970	2687	2642	2496	2584	2508	2394	2445	2420	2498	1959	2757	2466
1971	3023	2662	2476	2612	2931	2621	2838	2537	2489	2607	2658	2744
1972	2517	2135	2547	2524	2263	2293	2422	2035	2624	2583	2397	2726
1973	2636	2590	2644	2481	2651	2519	2728	2607	2707	2553	2486	2589
1974	2457	2601	2523	2683	2552	2621	2687	2792	2554	2803	2690	2785
1975	2722	2661	2684	2832	2531	2238	2548	2754	2394	3071	2617	2526
1976	2405	2435	2443	2470	2742	2519	1624	2420	2612	2102	2549	2440
1977	2793	2639	2559	2697	2763	2855	2706	2828	2501	2190	2674	2576
1978	2527	2860	2654	2306	1935	2617	2569	2452	2021	2296	2662	2430
1979	2615	2625	2575	2565	2730	2215	2501	2466	2655	2549	2308	1695
1980	2452	2481	2515	2652	2688	2450	2485	2380	2993	2632	2475	2687
1981	1767	2519	2524	2596	2516	2520	2629	2640	2639	2683	2686	2607
1982	2105	2402	2640	2397	2389	2591	2598	2562	2595	2444	2468	2520
1983	2146	2549	2380									

(A) SOURCE OF ORIGINAL DATA - DEPARTMENT OF INDUSTRY AND COMMERCE.



## TONNES



YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
	ORIGINAL											
1968	4296	7603	7974	7352	8895	8700	10133	9257	8881	8895	8483	6813
1969	4685	7693	8836	8110	9376	9725	9821	9135	8854	9163	8528	7638
1970	4405	8115	8542	9494	9570	9308	10051	9122	9802	9970	9530	7838
1971	4213	8273	9693	8918	9453	10074	10293	9706	9631	9481	10100	8867
1972	4617	8233	9756	9038	11075	10203	10170	10229	9447	9996	9536	8472
1973	5114	8307	9547	7640	10765	10125	11525	11098	10396	10217	11042	8047
1974	6160	9470	9912	8986	11708	9473	12181	11920	11955	10916	10684	8582
1975	6373	10761	10608	10886	11612	9283	11439	10561	9959	10940	9214	8289
1976	5140	9825	10731	9251	10431	9883	9886	10083	9985	11024	9743	8864
1977	5208	9126	11794	8938	10451	11574	11330	11117	10137	9571	10233	8089
1978	4912	9036	9586	8062	9510	10918	10209	10172	9103	9427	9243	7140
1979	4517	8870	9664	7606	10967	10297	9102	10433	9510	10028	9760	6556
1980	4227	9668	10186	8694	11349	9681	10988	11099	10262	9778	9176	7774
1981	4211	9806	11950	10154	11560	11112	11587	10762	10955	10573	11064	8609
1982	4762	10368	11995	9720	11292	11318	10511	10864	9514	9808	10219	10165
1983	4972	10930	11369									

[illegible]



BALANCE OF PAYMENTS - CURRENT ACCOUNT  
EXPORTS F.O.B.

\$ MILLION

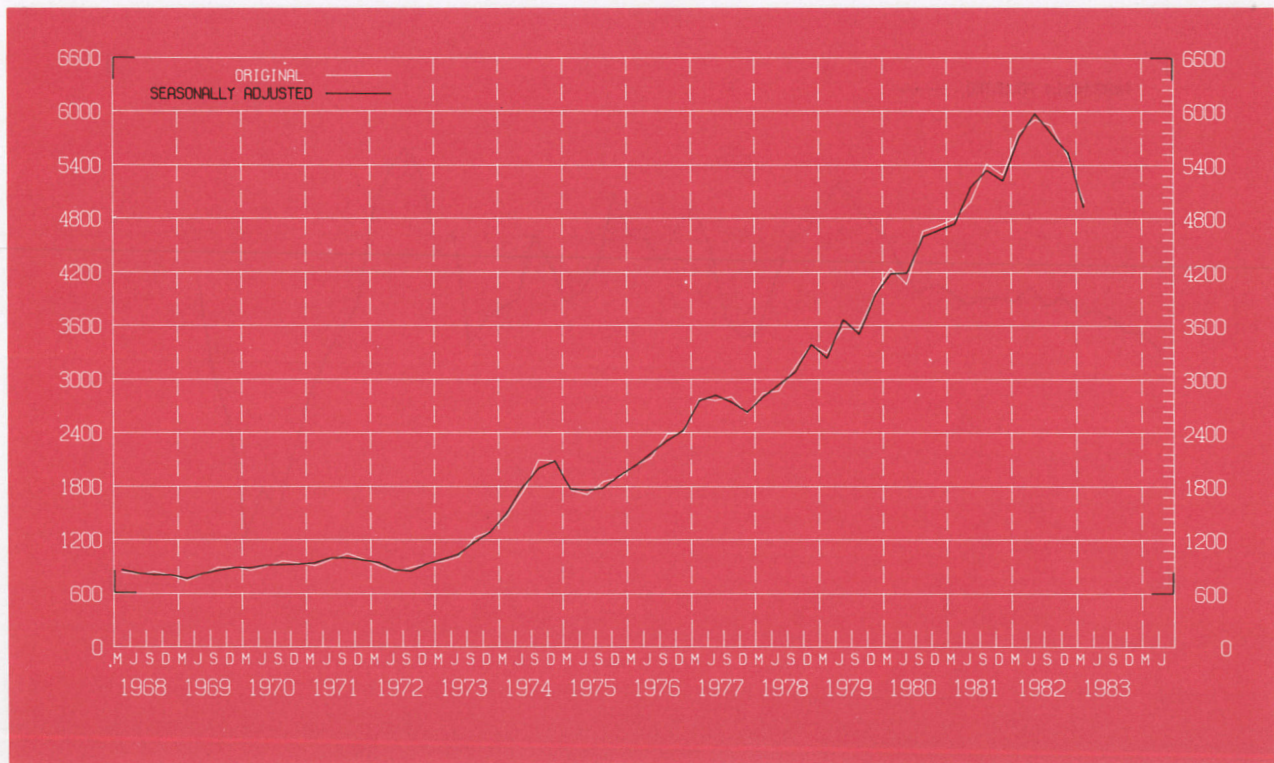
YEAR	MAR. QTR	JUN. QTR	SEP. QTR	DEC. QTR
	ORIGINAL			
1968	693	774	743	826
1969	793	856	963	970
1970	1014	1022	1038	1033
1971	994	1152	1185	1112
1972	1153	1273	1319	1485
1973	1603	1585	1609	1684
1974	1645	1771	1933	2106
1975	2069	2334	2238	2214
1976	2354	2640	2894	2726
1977	2832	2993	2984	3088
1978	2837	3096	3042	3353
1979	3577	4100	4103	4855
1980	4779	4852	4558	4739
1981	4472	4949	4615	4433
1982	4822	5219	5198	5240
1983	5039			

SEASONALLY ADJUSTED				
1968	714	758	750	812
1969	818	839	965	960
1970	1043	1006	1033	1029
1971	1017	1138	1176	1109
1972	1178	1258	1309	1483
1973	1638	1561	1604	1678
1974	1683	1742	1932	2095
1975	2119	2291	2243	2194
1976	2420	2581	2910	2698
1977	2913	2919	3019	3047
1978	2913	3017	3096	3296
1979	3667	3994	4196	4758
1980	4897	4721	4677	4642
1981	4577	4813	4742	4341
1982	4931	5076	5305	5291
1983	5153			



BALANCE OF PAYMENTS - CURRENT ACCOUNT  
IMPORTS F.O.B.

\$ MILLION



YEAR	MAR. QTR	JUN. QTR	SEP. QTR	DEC. QTR
ORIGINAL				
1968	834	814	844	804
1969	740	815	894	897
1970	856	906	962	938
1971	909	981	1047	987
1972	913	844	893	940
1973	960	1016	1234	1303
1974	1471	1747	2099	2085
1975	1756	1711	1857	1905
1976	2036	2124	2392	2407
1977	2788	2763	2809	2620
1978	2848	2874	3137	3388
1979	3293	3568	3557	3961
1980	4245	4065	4660	4721
1981	4801	4987	5415	5290
1982	5763	5907	5843	5485
1983	4978			

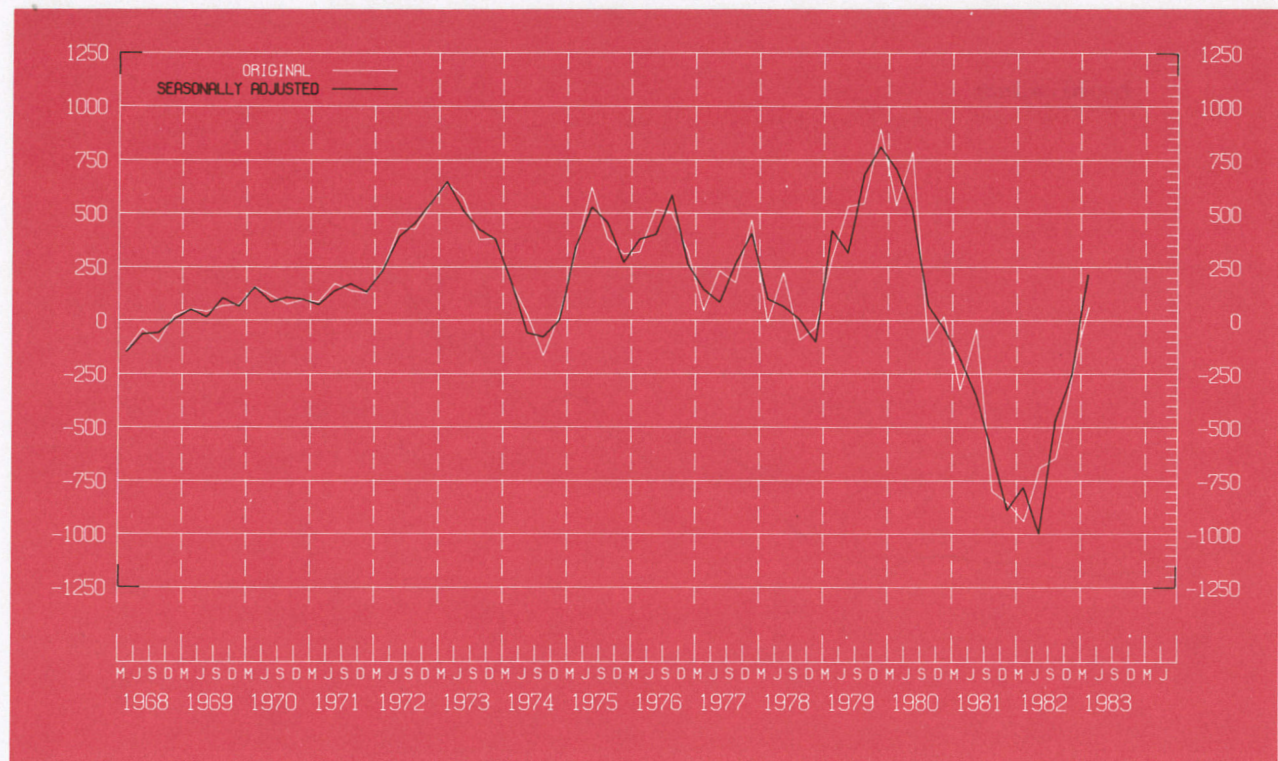
SEASONALLY ADJUSTED

1968	860	822	808	805
1969	766	823	859	892
1970	888	918	924	929
1971	943	999	1003	975
1972	945	865	853	932
1973	987	1045	1179	1297
1974	1500	1800	2008	2092
1975	1774	1760	1786	1922
1976	2038	2177	2321	2432
1977	2766	2830	2751	2638
1978	2810	2950	3089	3396
1979	3243	3676	3512	3944
1980	4191	4198	4605	4677
1981	4750	5159	5348	5228
1982	5709	5980	5767	5543
1983	4936			



BALANCE OF PAYMENTS - CURRENT ACCOUNT  
BALANCE OF TRADE

\$ MILLION



YEAR	MAR. QTR	JUN. QTR	SEP. QTR	DEC. QTR
		ORIGINAL		
1968	-141	-40	-101	22
1969	52	41	69	74
1970	158	116	76	95
1971	85	171	137	125
1972	240	429	426	545
1973	643	569	375	381
1974	174	25	-167	22
1975	312	623	381	309
1976	318	516	502	320
1977	44	231	175	469
1978	-11	223	-95	-35
1979	284	532	546	894
1980	534	787	-102	18
1981	-328	-39	-800	-856
1982	-941	-688	-645	-245
1983	61			

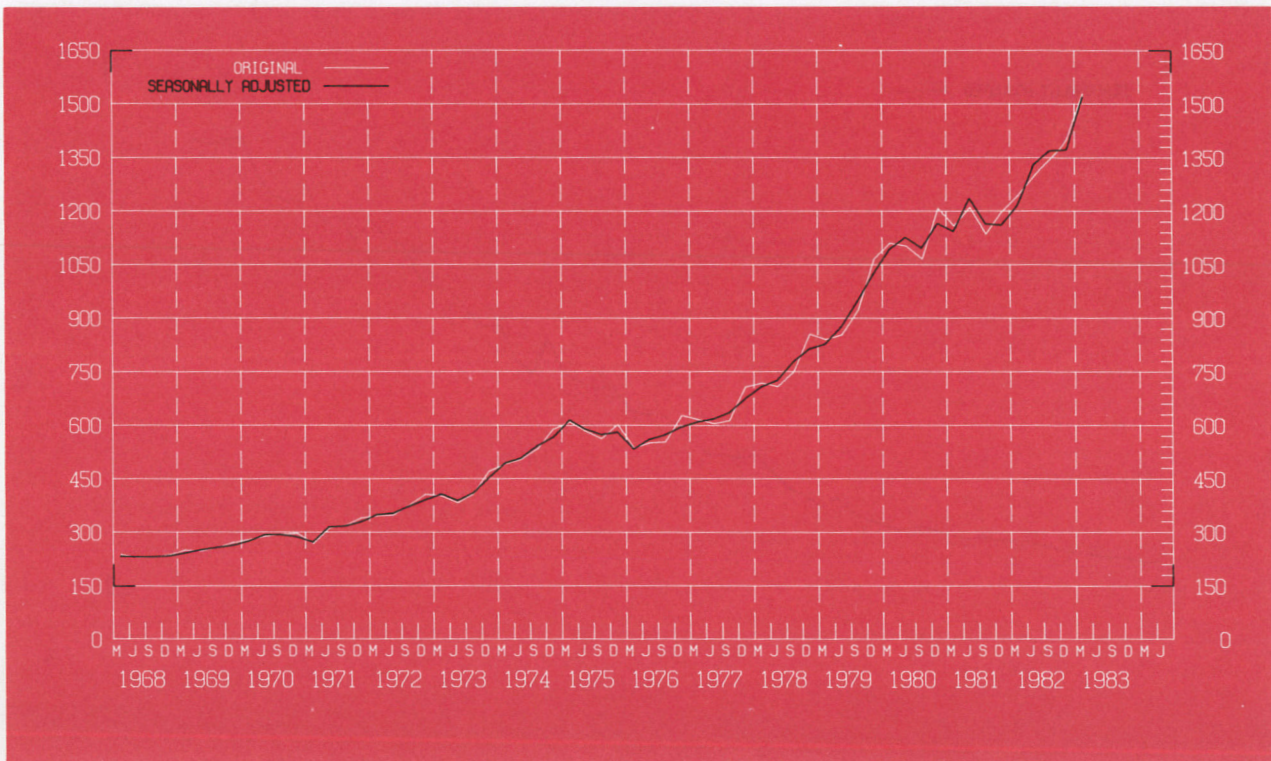
## SEASONALLY ADJUSTED

1968	-146	-64	-58	7
1969	52	17	106	68
1970	156	88	109	100
1971	74	139	172	134
1972	233	393	456	551
1973	651	516	426	381
1974	183	-58	-76	2
1975	345	532	458	272
1976	382	405	589	265
1977	148	88	268	409
1978	103	67	7	-100
1979	424	317	685	814
1980	707	523	72	-35
1981	-174	-345	-606	-888
1982	-778	-997	-462	-252
1983	216			



BALANCE OF PAYMENTS - CURRENT ACCOUNT  
TOTAL INVISIBLE CREDITS

\$ MILLION



YEAR	MAR. QTR	JUN. QTR	SEP. QTR	DEC. QTR
ORIGINAL				
1968	237	229	229	237
1969	250	247	257	271
1970	279	288	294	296
1971	268	311	319	340
1972	345	347	376	406
1973	401	382	407	472
1974	491	505	534	589
1975	608	582	561	601
1976	535	550	552	626
1977	615	603	612	707
1978	718	707	749	854
1979	839	853	922	1065
1980	1109	1101	1065	1207
1981	1157	1210	1135	1197
1982	1243	1297	1345	1401
1983	1528			

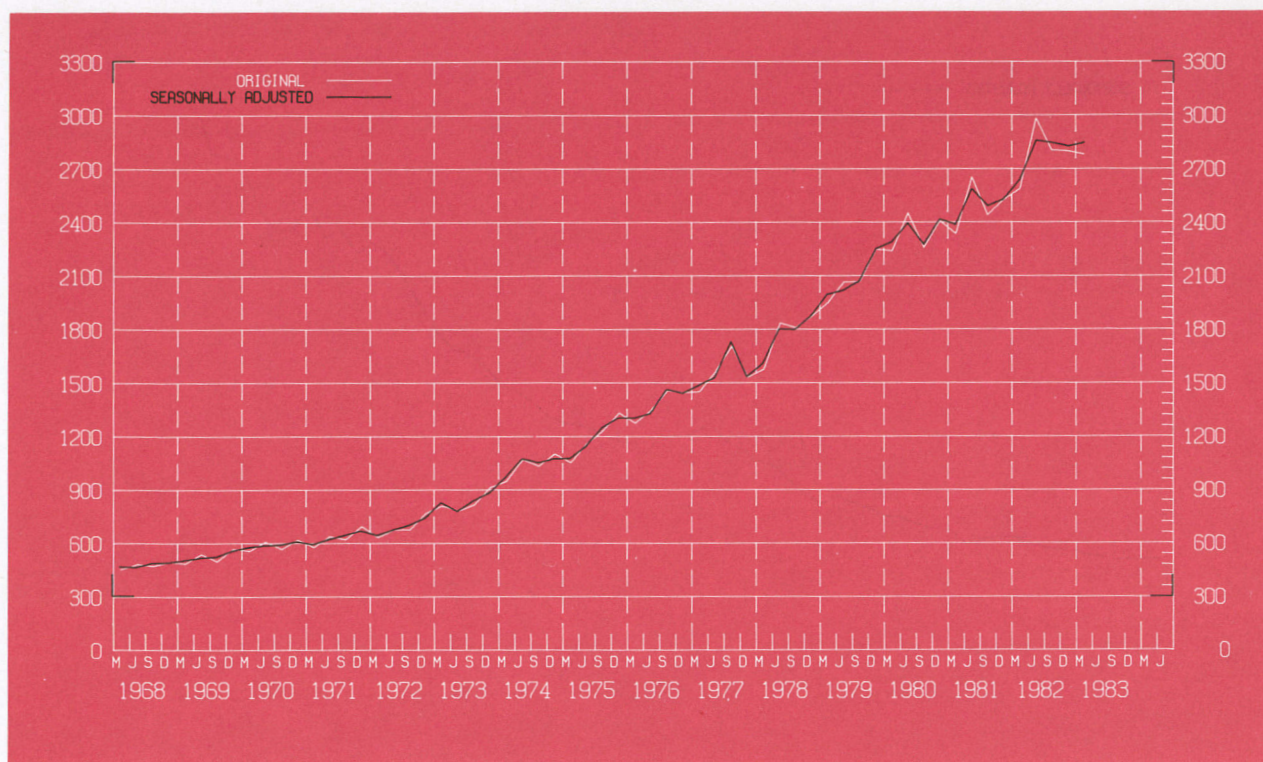
SEASONALLY ADJUSTED

YEAR	MAR. QTR	JUN. QTR	SEP. QTR	DEC. QTR
1968	233	232	232	235
1969	243	252	259	265
1970	277	294	294	288
1971	273	316	318	330
1972	350	354	374	392
1973	408	389	412	456
1974	496	510	544	568
1975	615	589	574	581
1976	533	561	574	596
1977	610	618	636	674
1978	708	726	778	814
1979	828	876	947	1024
1980	1093	1126	1096	1165
1981	1142	1235	1163	1160
1982	1216	1330	1369	1373
1983	1519			



BALANCE OF PAYMENTS - CURRENT ACCOUNT  
TOTAL INVISIBLE DEBITS

\$ MILLION



YEAR	MAR. QTR	JUN. QTR	SEP. QTR	DEC. QTR
ORIGINAL				
1968	453	481	471	495
1969	485	538	498	569
1970	557	608	566	618
1971	578	637	620	694
1972	633	675	677	769
1973	810	781	818	914
1974	949	1069	1032	1101
1975	1051	1158	1232	1330
1976	1273	1346	1456	1445
1977	1451	1563	1706	1531
1978	1577	1834	1807	1873
1979	1949	2066	2067	2248
1980	2239	2452	2258	2408
1981	2334	2654	2441	2526
1982	2587	2984	2803	2797
1983	2780			

## SEASONALLY ADJUSTED

1968	464	460	484	488
1969	499	515	520	554
1970	573	584	587	604
1971	590	618	641	666
1972	641	671	698	739
1973	824	776	836	880
1974	967	1069	1047	1071
1975	1072	1142	1246	1301
1976	1299	1325	1459	1439
1977	1482	1527	1728	1532
1978	1606	1798	1796	1873
1979	1994	2017	2068	2249
1980	2287	2392	2273	2414
1981	2383	2586	2490	2527
1982	2639	2857	2844	2824
1983	2845			



BALANCE OF PAYMENTS - CURRENT ACCOUNT  
BALANCE ON CURRENT ACCOUNT

\$ MILLION



YEAR	MAR. QTR	JUN. QTR	SEP. QTR	DEC. QTR
ORIGINAL				
1968	-357	-292	-343	-236
1969	-183	-250	-172	-224
1970	-119	-205	-196	-227
1971	-225	-155	-164	-229
1972	-47	100	125	182
1973	234	170	-35	-60
1974	-283	-539	-664	-490
1975	-131	48	-290	-420
1976	-420	-280	-402	-499
1977	-792	-729	-919	-355
1978	-870	-905	-1154	-1053
1979	-826	-681	-600	-289
1980	-596	-564	-1295	-1183
1981	-1506	-1482	-2106	-2186
1982	-2285	-2375	-2103	-1641
1983	-1191			

SEASONALLY ADJUSTED

YEAR	MAR. QTR	JUN. QTR	SEP. QTR	DEC. QTR
1968	-378	-291	-311	-246
1969	-203	-246	-179	-182
1970	-133	-207	-208	-200
1971	-222	-167	-188	-185
1972	-27	88	102	229
1973	217	142	3	-25
1974	-322	-617	-641	-495
1975	-85	8	-323	-383
1976	-345	-321	-418	-501
1977	-687	-835	-876	-424
1978	-834	-978	-1053	-1147
1979	-794	-777	-466	-323
1980	-543	-654	-1232	-1268
1981	-1368	-1579	-1995	-2266
1982	-2274	-2524	-1936	-1703
1983	-1110			

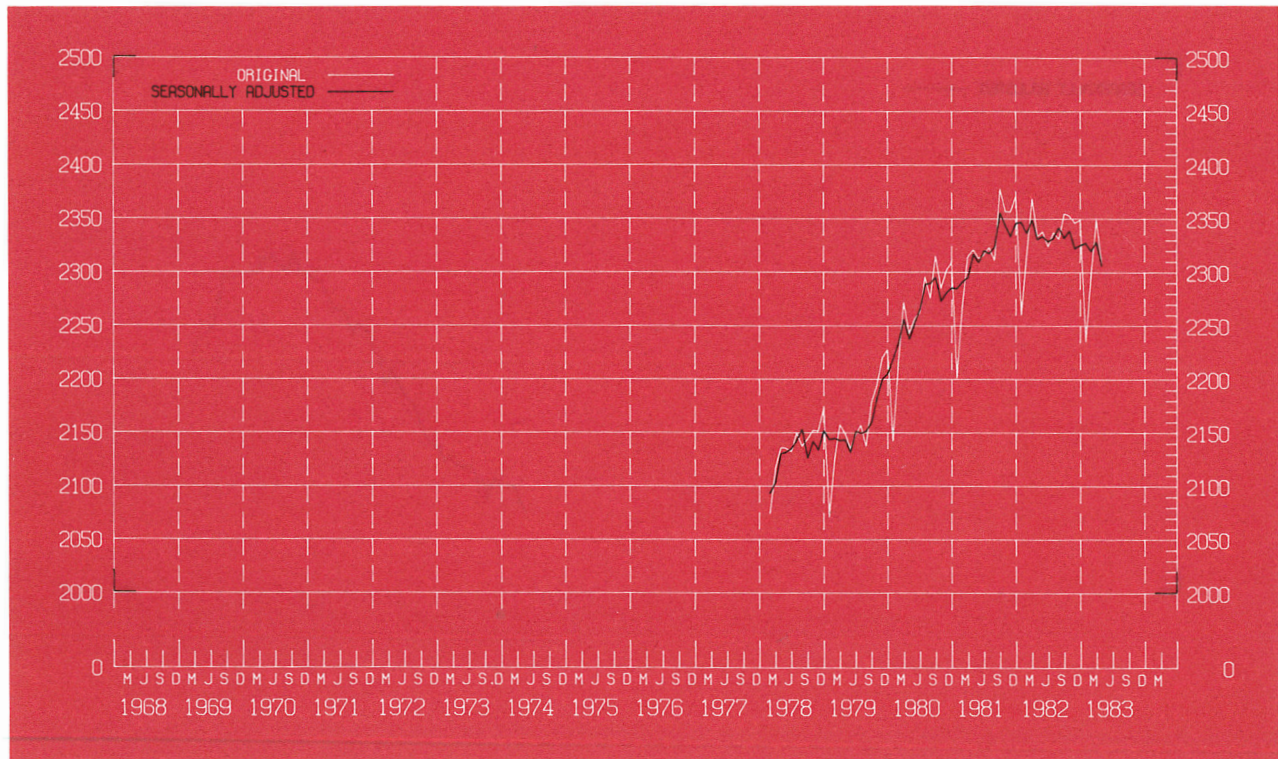






## EMPLOYED FEMALES

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YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
ORIGINAL												
1978		2074.8	2117.8	2136.1	2135.3	2131.9	2149.8	2137.2	2144.1	2151.9	2151.2	2173.8
1979	2070.7	2125.4	2157.4	2149.0	2135.0	2148.0	2156.8	2136.9	2178.8	2194.4	2219.4	2227.7
1980	2141.5	2213.9	2272.1	2242.4	2256.6	2262.4	2295.8	2275.8	2315.3	2285.2	2301.8	2309.1
1981	2201.3	2269.3	2314.4	2321.1	2313.0	2316.2	2323.3	2311.0	2378.1	2356.8	2356.4	2370.9
1982	2260.3	2314.5	2369.3	2333.5	2337.9	2324.1	2337.5	2331.1	2355.0	2352.8	2346.3	2349.1
1983	2234.9	2295.8	2348.9	2308.9								

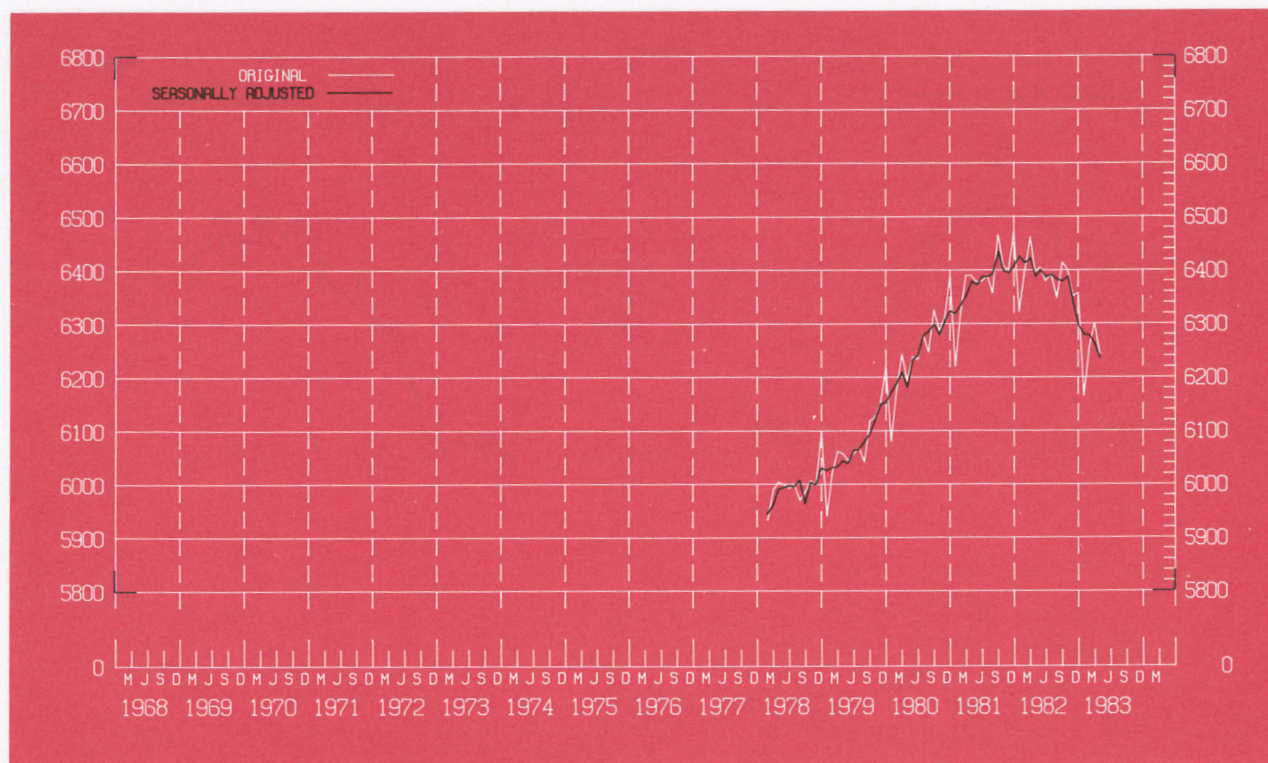
## SEASONALLY ADJUSTED

1978		2092.4	2102.6	2129.4	2130.7	2134.0	2141.5	2152.4	2125.0	2141.1	2132.8	2151.1
1979	2142.6	2143.8	2141.6	2142.5	2130.5	2150.4	2148.6	2150.5	2158.5	2181.9	2199.2	2204.4
1980	2218.6	2233.3	2254.9	2236.4	2251.7	2265.5	2288.0	2288.7	2294.4	2272.3	2280.0	2284.6
1981	2283.8	2290.1	2294.4	2316.2	2308.2	2319.6	2316.4	2322.8	2355.1	2342.9	2332.5	2345.3
1982	2346.2	2335.8	2348.5	2329.9	2333.0	2328.1	2331.2	2341.5	2331.2	2338.3	2321.4	2324.7
1983	2326.8	2319.1	2327.8	2305.7								



## EMPLOYED PERSONS

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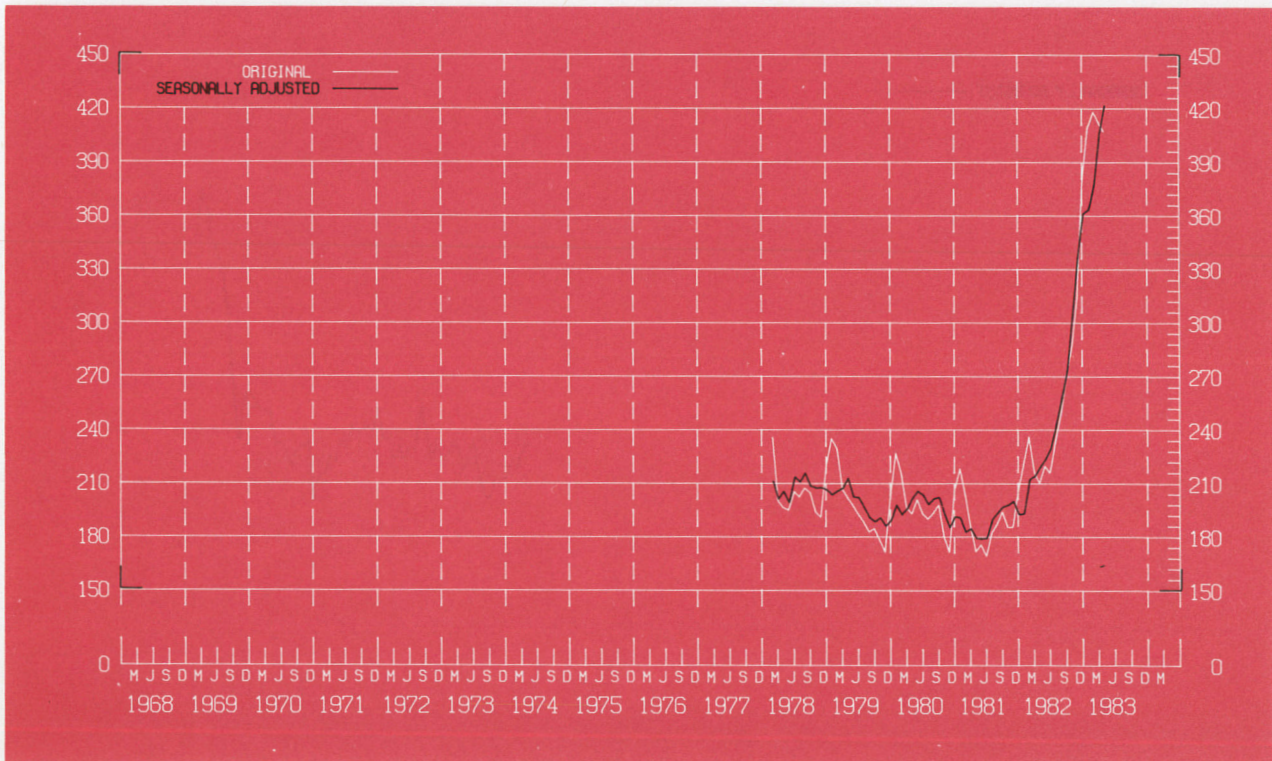


YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
ORIGINAL												
1978		5932.3	5987.9	6003.8	5998.7	5991.9	5998.1	5969.6	5985.1	6006.6	5997.3	6097.5
1979	5939.9	6018.9	6061.6	6056.4	6043.3	6057.6	6067.6	6041.5	6118.1	6125.2	6150.6	6219.9
1980	6079.1	6174.1	6243.2	6192.1	6237.8	6232.7	6280.0	6246.7	6325.3	6286.0	6308.5	6389.5
1981	6219.1	6320.7	6390.1	6389.4	6377.2	6379.0	6388.9	6356.3	6466.1	6406.5	6399.5	6472.6
1982	6321.3	6397.5	6461.1	6396.2	6404.8	6378.7	6391.9	6347.6	6414.2	6400.1	6350.6	6356.9
1983	6164.7	6255.0	6300.8	6243.2								

SEASONALLY ADJUSTED												
1978		5944.2	5959.8	5990.5	5994.1	5996.5	5995.5	6007.7	5963.4	6004.1	5998.5	6030.4
1979	6025.5	6031.1	6031.9	6043.6	6038.7	6063.1	6065.2	6079.2	6093.9	6120.4	6149.9	6153.2
1980	6172.0	6188.0	6210.2	6180.3	6233.2	6239.4	6278.1	6284.4	6298.6	6279.0	6305.4	6323.3
1981	6318.4	6335.1	6352.0	6378.9	6372.5	6386.8	6387.6	6393.5	6434.3	6398.1	6394.3	6407.5
1982	6425.5	6412.8	6422.0	6387.3	6400.5	6387.4	6390.8	6381.9	6379.2	6388.6	6341.6	6296.2
1983	6278.9	6277.4	6263.2	6235.2								



UNEMPLOYED MALES  
LOOKING FOR FULL-TIME WORK  
TOTAL  
'000



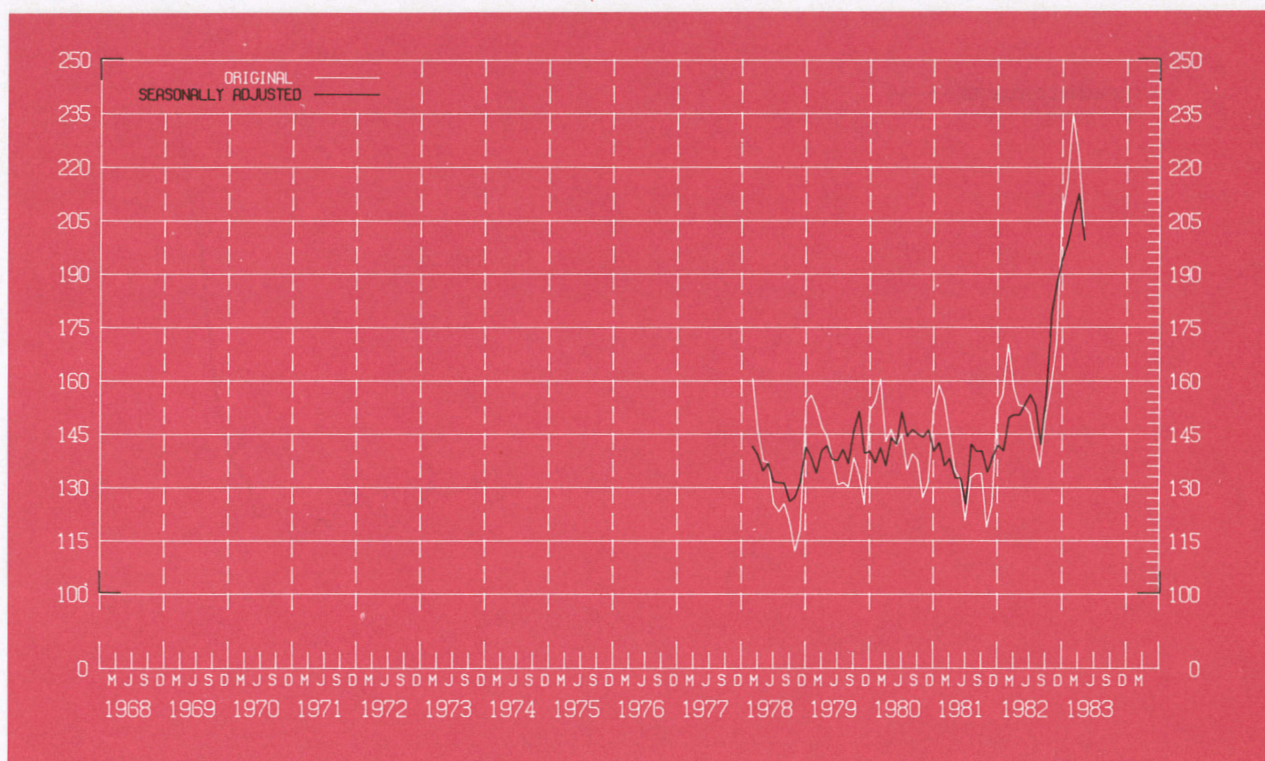
YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
ORIGINAL												
1978		235.4	200.2	196.2	194.8	205.4	202.4	207.3	204.7	194.0	191.0	219.9
1979	235.2	229.5	206.6	202.1	197.7	192.8	188.2	182.8	184.7	178.1	171.5	202.2
1980	226.9	215.2	196.3	192.9	201.0	193.1	190.0	193.3	197.9	180.1	171.4	206.1
1981	218.2	203.6	185.8	171.7	175.5	169.2	182.1	187.0	194.2	185.4	185.6	206.1
1982	221.0	236.3	216.1	210.2	219.8	215.8	233.1	249.9	271.6	286.6	313.5	378.4
1983	409.2	418.2	412.2	407.2								

SEASONALLY ADJUSTED												
1978		210.6	200.7	205.2	198.8	213.5	210.4	215.4	208.0	207.0	207.1	206.0
1979	203.3	205.3	207.0	212.7	201.9	201.7	196.0	190.3	188.1	190.3	185.7	188.8
1980	197.6	192.2	195.6	201.5	205.4	203.1	197.8	201.1	201.9	192.6	184.8	191.1
1981	190.3	182.4	184.3	179.0	178.6	178.9	189.3	193.2	196.7	197.7	199.8	192.3
1982	192.9	212.1	213.9	219.0	223.4	229.3	242.1	257.7	274.6	305.3	336.7	360.7
1983	363.1	377.6	406.0	421.3								



UNEMPLOYED FEMALES  
LOOKING FOR FULL-TIME WORK

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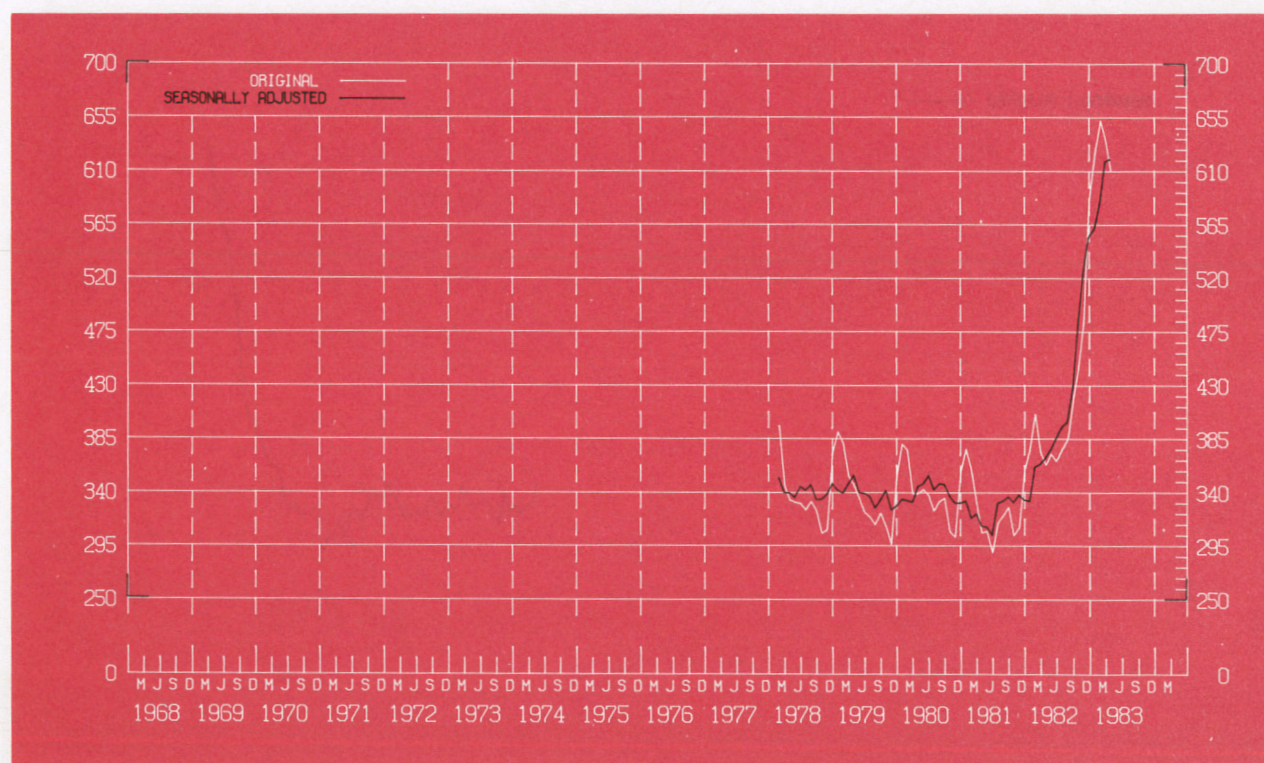


YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
ORIGINAL												
1978	151.9	160.3	145.4	137.3	136.8	125.2	123.0	125.3	120.1	111.9	117.9	153.9
1979	155.9	152.2	146.9	144.2	137.5	130.7	131.3	130.1	138.3	133.5	125.1	151.6
1980	154.1	160.5	142.8	146.3	141.6	144.7	134.8	139.4	137.6	127.0	131.3	151.2
1981	158.7	154.7	144.9	134.8	132.1	120.5	132.8	133.8	133.9	118.7	125.1	152.6
1982	156.0	170.3	158.2	153.1	152.8	150.8	142.9	135.6	149.1	158.4	170.4	206.8
1983	216.2	234.7	223.8	203.2								

SEASONALLY ADJUSTED												
1978		141.1	138.6	134.2	136.5	131.2	131.0	130.9	125.7	126.9	131.2	141.1
1979	138.2	133.7	140.0	141.5	137.6	137.2	140.4	136.4	145.5	151.2	139.3	139.8
1980	136.5	140.9	135.8	143.7	141.8	151.0	144.0	146.0	144.7	143.7	145.9	139.8
1981	142.3	135.7	137.8	132.3	132.3	124.9	141.9	139.8	140.0	133.9	138.3	141.6
1982	140.0	149.4	150.2	150.1	153.1	155.9	152.8	141.7	155.4	178.7	187.6	194.2
1983	198.6	206.0	212.3	199.0								



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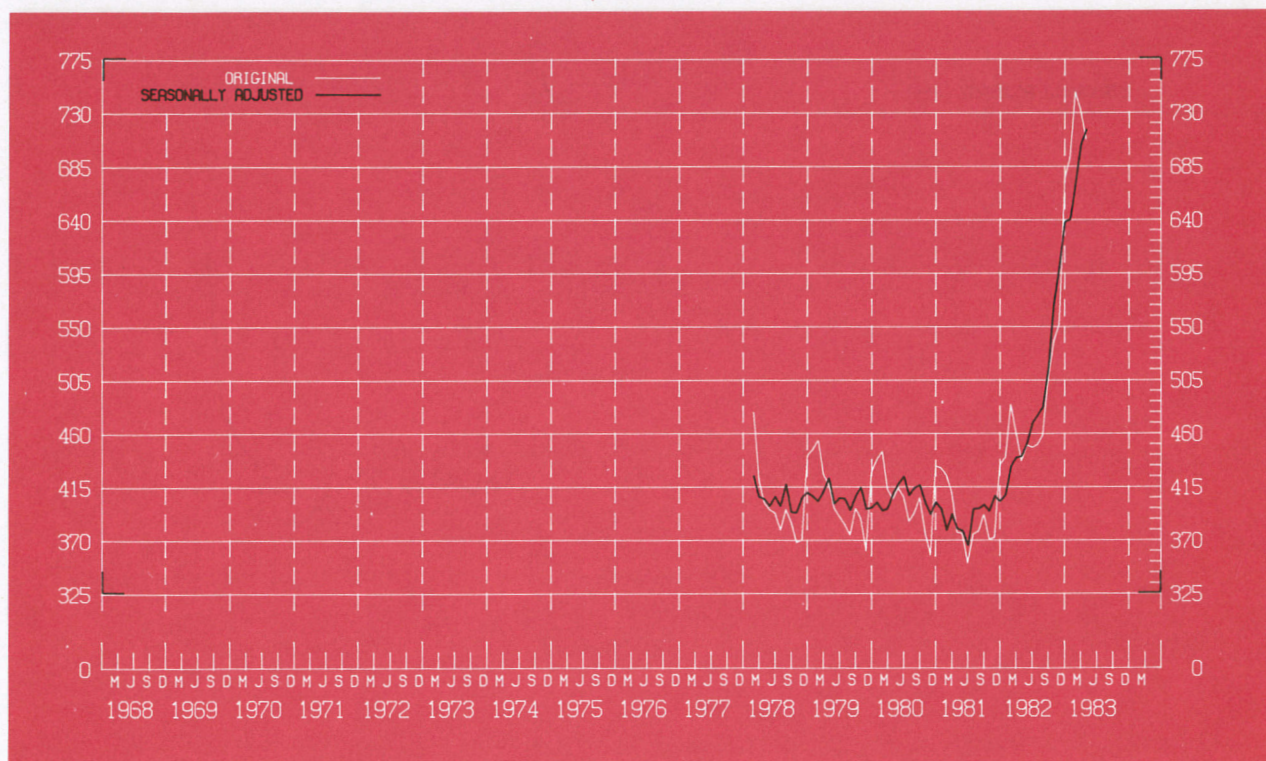
YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
						ORIGINAL						
1978		395.8	345.7	333.5	331.6	330.5	325.4	332.6	324.8	305.9	308.8	373.8
1979	391.1	381.7	353.5	346.4	335.1	323.6	319.5	312.9	323.0	311.6	296.5	353.7
1980	380.9	375.7	339.1	339.1	342.6	337.7	324.8	332.6	335.5	307.1	302.7	357.4
1981	377.0	358.4	330.7	306.5	307.7	289.7	314.9	320.9	328.1	304.1	310.7	358.7
1982	377.0	406.6	374.3	363.3	372.6	366.6	376.1	385.4	420.6	445.1	483.9	585.2
1983	625.5	652.9	636.0	610.4								

SEASONALLY ADJUSTED												
1978		351.7	339.3	339.4	335.3	344.7	341.4	346.3	333.7	333.9	338.2	347.1
1979	341.5	339.0	347.0	354.2	339.5	338.9	336.4	326.7	333.6	341.5	325.0	328.6
1980	334.1	333.1	331.4	345.2	347.2	354.1	341.8	347.1	346.6	336.3	330.7	330.9
1981	332.6	318.1	322.1	311.3	310.9	303.8	331.2	333.0	336.7	331.6	338.1	333.9
1982	332.9	361.5	364.1	369.1	376.5	385.2	394.9	399.4	430.0	484.0	524.3	554.9
1983	561.7	583.6	618.3	620.3								



UNEMPLOYED PERSONS  
TOTAL UNEMPLOYED

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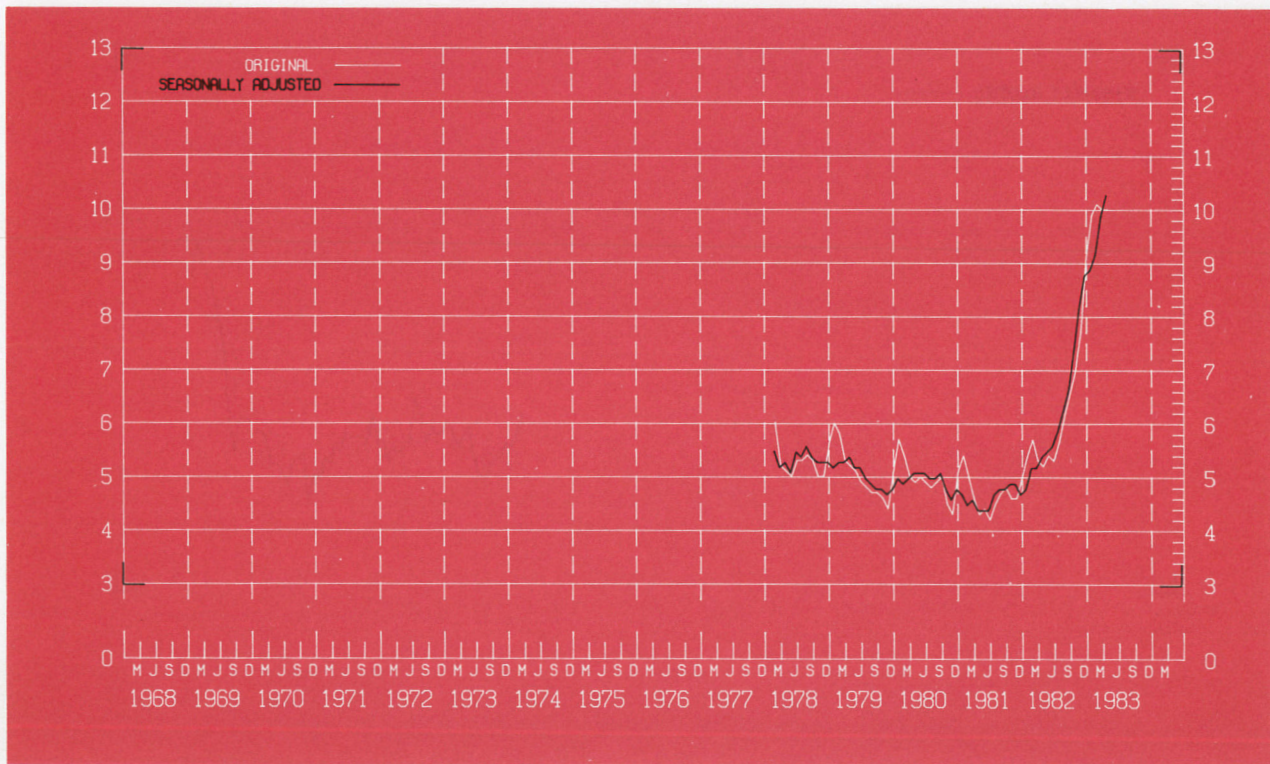
YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
ORIGINAL												
1978		477.0	420.3	401.1	395.3	392.3	378.0	395.7	384.5	367.5	369.7	441.2
1979	446.2	453.9	425.0	416.8	396.6	389.3	382.5	373.8	396.5	387.8	360.6	426.9
1980	437.8	444.5	412.4	404.5	413.6	406.0	385.4	392.3	405.5	375.7	357.0	432.0
1981	430.4	424.1	409.9	376.0	375.5	350.2	374.8	377.1	391.1	370.4	371.9	433.3
1982	439.6	484.4	459.7	436.2	449.9	447.8	450.3	458.5	505.9	536.8	552.0	674.0
1983	691.7	747.3	731.6	707.2								

SEASONALLY ADJUSTED												
1978		423.4	406.0	404.2	398.3	406.4	398.2	416.8	393.1	392.8	405.8	409.9
1979	406.6	402.3	410.6	421.8	400.2	405.0	404.6	394.7	406.8	414.1	395.7	397.1
1980	401.4	394.2	396.0	408.4	417.0	423.2	407.2	413.7	415.9	401.1	391.2	401.4
1981	395.7	377.4	391.6	378.9	377.2	364.9	395.8	396.1	399.2	393.9	407.0	402.2
1982	407.5	431.6	439.0	440.1	451.4	468.0	474.9	481.3	514.8	570.1	600.9	637.6
1983	639.5	669.5	701.9	714.9								



UNEMPLOYMENT RATE - MALES  
LOOKING FOR FULL-TIME WORK

PER CENT



YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
ORIGINAL												
1978		6.0	5.2	5.1	5.0	5.3	5.3	5.4	5.3	5.0	5.0	5.6
1979	6.0	5.8	5.3	5.2	5.1	4.9	4.8	4.7	4.7	4.6	4.4	5.1
1980	5.7	5.4	5.0	4.9	5.0	4.9	4.8	4.9	5.0	4.5	4.3	5.1
1981	5.4	5.0	4.6	4.3	4.4	4.2	4.5	4.7	4.8	4.6	4.6	5.0
1982	5.4	5.7	5.3	5.2	5.4	5.3	5.7	6.2	6.6	7.0	7.7	9.1
1983	9.9	10.1	10.0	10.0								

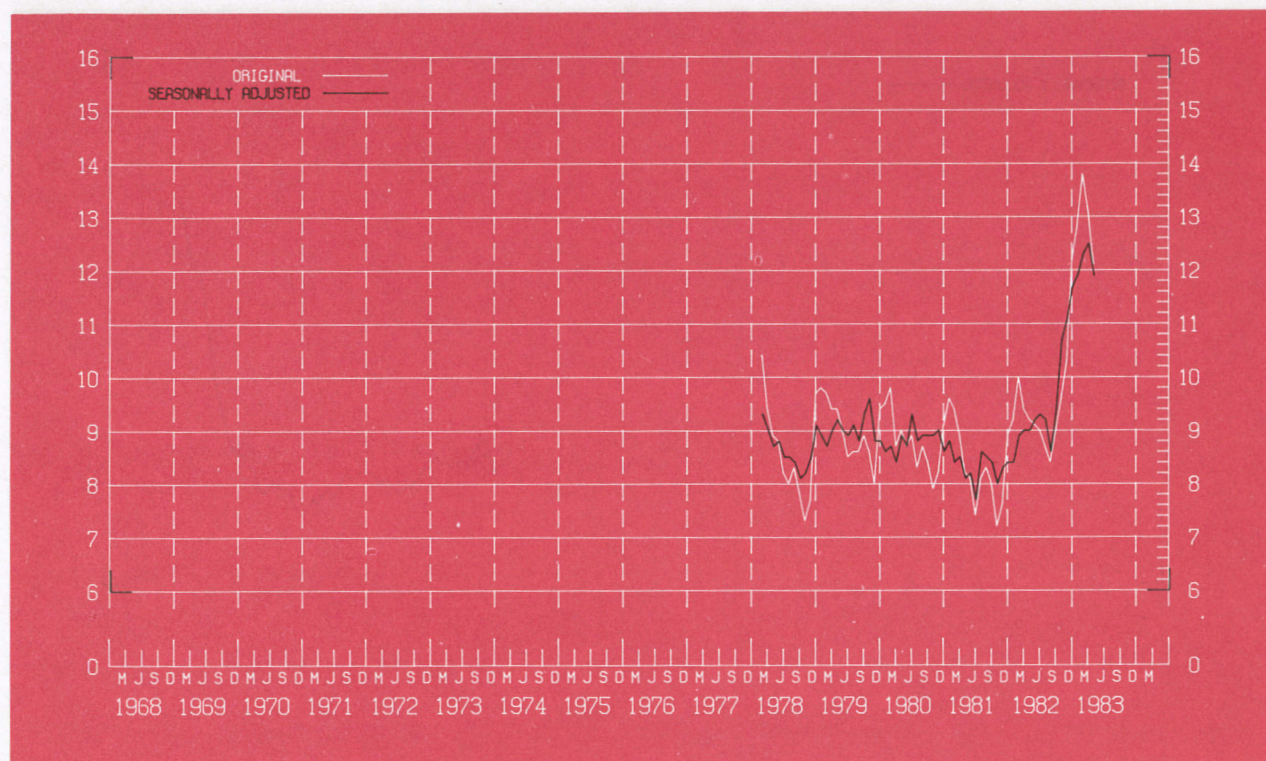
## SEASONALLY ADJUSTED

1978		5.5	5.2	5.3	5.1	5.5	5.4	5.6	5.4	5.3	5.3	5.3
1979	5.2	5.3	5.3	5.4	5.2	5.2	5.0	4.9	4.8	4.8	4.7	4.8
1980	5.0	4.9	5.0	5.1	5.1	5.1	5.0	5.0	5.1	4.8	4.6	4.8
1981	4.7	4.5	4.6	4.4	4.4	4.4	4.7	4.8	4.8	4.9	4.9	4.7
1982	4.8	5.2	5.2	5.4	5.5	5.6	5.9	6.3	6.7	7.4	8.2	8.8
1983	8.9	9.2	9.9	10.3								



UNEMPLOYMENT RATE - FEMALES  
LOOKING FOR FULL-TIME WORK

PER CENT



YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
ORIGINAL												
1978		10.4	9.4	8.9	8.8	8.2	8.0	8.3	7.8	7.3	7.7	9.7
1979	9.8	9.7	9.4	9.4	9.0	8.5	8.6	8.6	8.9	8.6	8.0	9.4
1980	9.5	9.8	8.7	9.0	8.7	8.9	8.3	8.7	8.4	7.9	8.2	9.1
1981	9.6	9.4	8.9	8.2	8.1	7.4	8.1	8.3	8.0	7.2	7.6	8.9
1982	9.2	10.0	9.4	9.2	9.1	9.0	8.7	8.4	9.0	9.6	10.3	12.2
1983	12.8	13.8	13.1	12.1								

## SEASONALLY ADJUSTED

1978		9.3	9.0	8.7	8.8	8.5	8.5	8.4	8.1	8.2	8.5	9.1
1979	8.9	8.7	9.0	9.2	9.0	8.9	9.1	8.8	9.3	9.6	8.8	8.8
1980	8.6	8.7	8.4	8.9	8.7	9.3	8.8	8.9	8.9	8.9	9.0	8.6
1981	8.8	8.4	8.5	8.1	8.2	7.7	8.6	8.5	8.4	8.0	8.3	8.4
1982	8.4	8.9	9.0	9.0	9.2	9.3	9.2	8.6	9.4	10.7	11.1	11.7
1983	11.9	12.3	12.5	11.9								



UNEMPLOYMENT RATE - PERSONS  
LOOKING FOR FULL-TIME WORK  
PER CENT



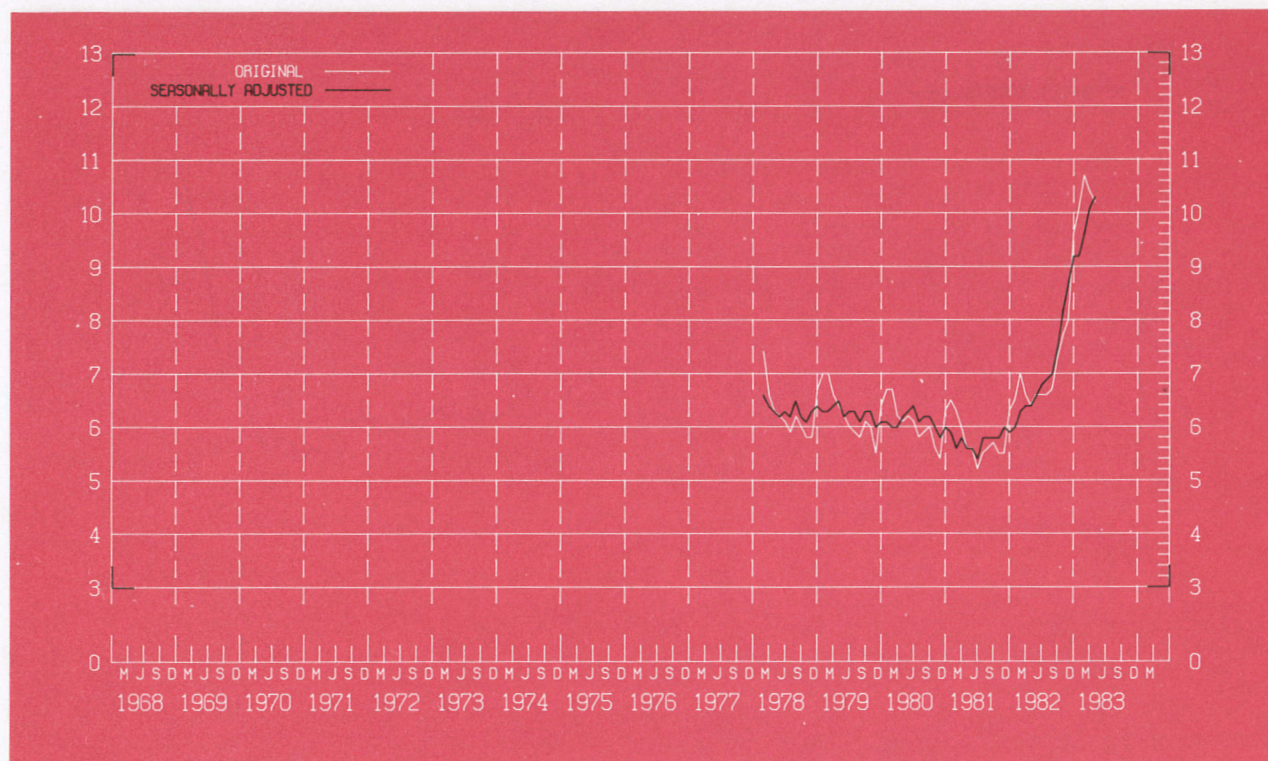
YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
ORIGINAL												
1978		7.3	6.4	6.2	6.1	6.1	6.0	6.2	6.0	5.7	5.8	6.8
1979	7.1	6.9	6.5	6.4	6.2	6.0	5.9	5.8	5.9	5.7	5.4	6.3
1980	6.8	6.7	6.1	6.1	6.1	6.1	5.8	6.0	6.0	5.5	5.4	6.2
1981	6.6	6.3	5.8	5.4	5.5	5.1	5.6	5.7	5.7	5.4	5.5	6.2
1982	6.5	7.0	6.5	6.4	6.5	6.4	6.6	6.8	7.3	7.8	8.4	10.0
1983	10.8	11.1	10.9	10.6								

## SEASONALLY ADJUSTED

1978		6.5	6.3	6.3	6.2	6.4	6.3	6.4	6.2	6.2	6.2	6.4
1979	6.3	6.2	6.4	6.5	6.3	6.2	6.2	6.0	6.1	6.2	5.9	6.0
1980	6.0	6.0	6.0	6.2	6.2	6.3	6.1	6.2	6.2	6.0	5.9	5.9
1981	5.9	5.6	5.7	5.5	5.5	5.4	5.8	5.8	5.9	5.8	5.9	5.8
1982	5.8	6.3	6.3	6.5	6.6	6.7	6.9	7.0	7.5	8.4	9.0	9.6
1983	9.8	10.1	10.7	10.7								



UNEMPLOYMENT RATE - PERSONS  
TOTAL UNEMPLOYED  
PER CENT



YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
ORIGINAL												
1978		7.4	6.6	6.3	6.2	6.1	5.9	6.2	6.0	5.8	5.8	6.7
1979	7.0	7.0	6.6	6.4	6.2	6.0	5.9	5.8	6.1	6.0	5.5	6.4
1980	6.7	6.7	6.2	6.1	6.2	6.1	5.8	5.9	6.0	5.6	5.4	6.3
1981	6.5	6.3	6.0	5.6	5.6	5.2	5.5	5.6	5.7	5.5	5.5	6.3
1982	6.5	7.0	6.6	6.4	6.6	6.6	6.6	6.7	7.3	7.7	8.0	9.6
1983	10.1	10.7	10.4	10.2								

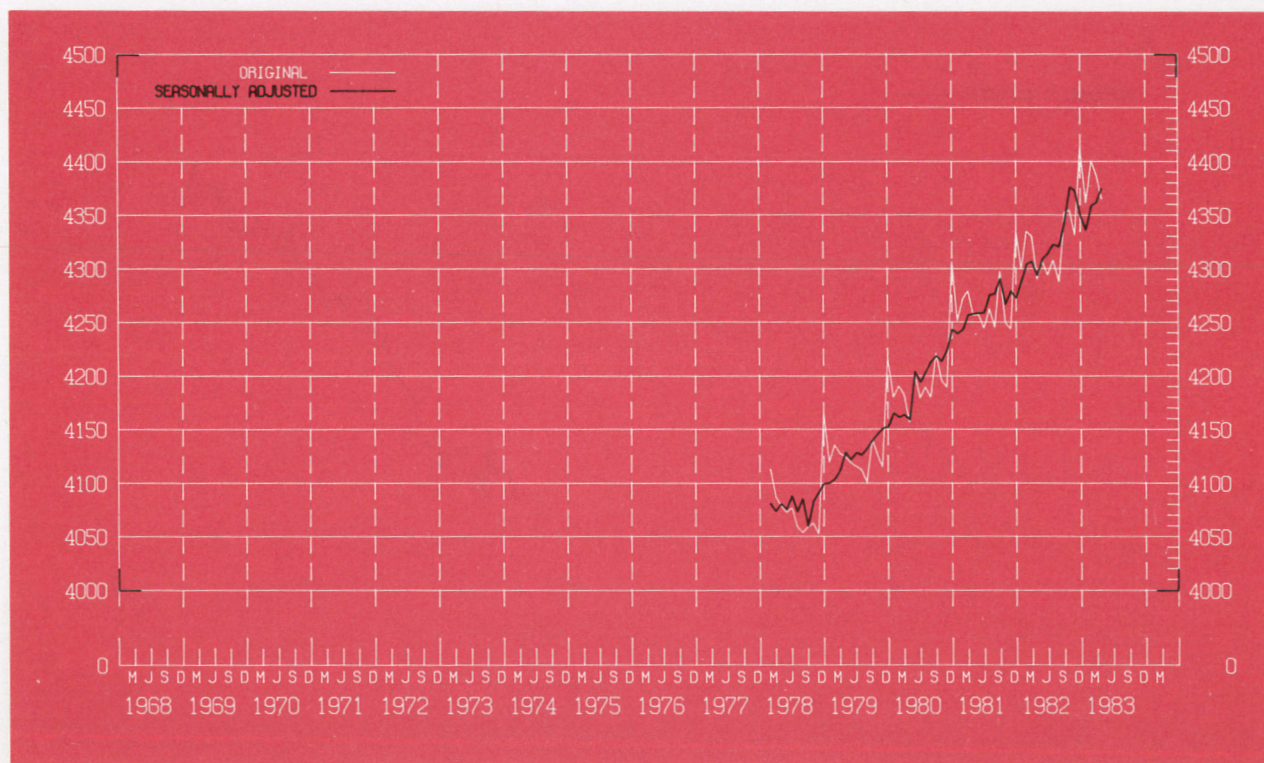
## SEASONALLY ADJUSTED

1978		6.6	6.4	6.3	6.2	6.3	6.2	6.5	6.2	6.1	6.3	6.4
1979	6.3	6.3	6.4	6.5	6.2	6.3	6.3	6.1	6.3	6.3	6.0	6.1
1980	6.1	6.0	6.0	6.2	6.3	6.4	6.1	6.2	6.2	6.0	5.8	6.0
1981	5.9	5.6	5.8	5.6	5.6	5.4	5.8	5.8	5.8	5.8	6.0	5.9
1982	6.0	6.3	6.4	6.4	6.6	6.8	6.9	7.0	7.5	8.2	8.7	9.2
1983	9.2	9.6	10.1	10.3								



## LABOUR FORCE - MALES

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YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
ORIGINAL												
1978		4112.4	4087.6	4078.5	4072.6	4076.7	4059.3	4053.8	4059.0	4062.7	4052.4	4165.3
1979	4119.3	4135.4	4127.4	4124.6	4118.9	4115.6	4112.4	4100.7	4140.9	4126.8	4115.0	4216.4
1980	4179.9	4190.6	4182.6	4156.6	4201.1	4179.2	4189.5	4180.0	4221.1	4195.6	4189.6	4306.7
1981	4251.6	4271.4	4278.9	4256.2	4257.1	4244.3	4262.5	4245.0	4297.5	4249.4	4243.5	4334.4
1982	4299.6	4334.7	4329.9	4289.9	4306.8	4294.1	4307.8	4287.5	4352.9	4354.6	4331.2	4412.4
1983	4361.3	4400.6	4387.2	4364.9								

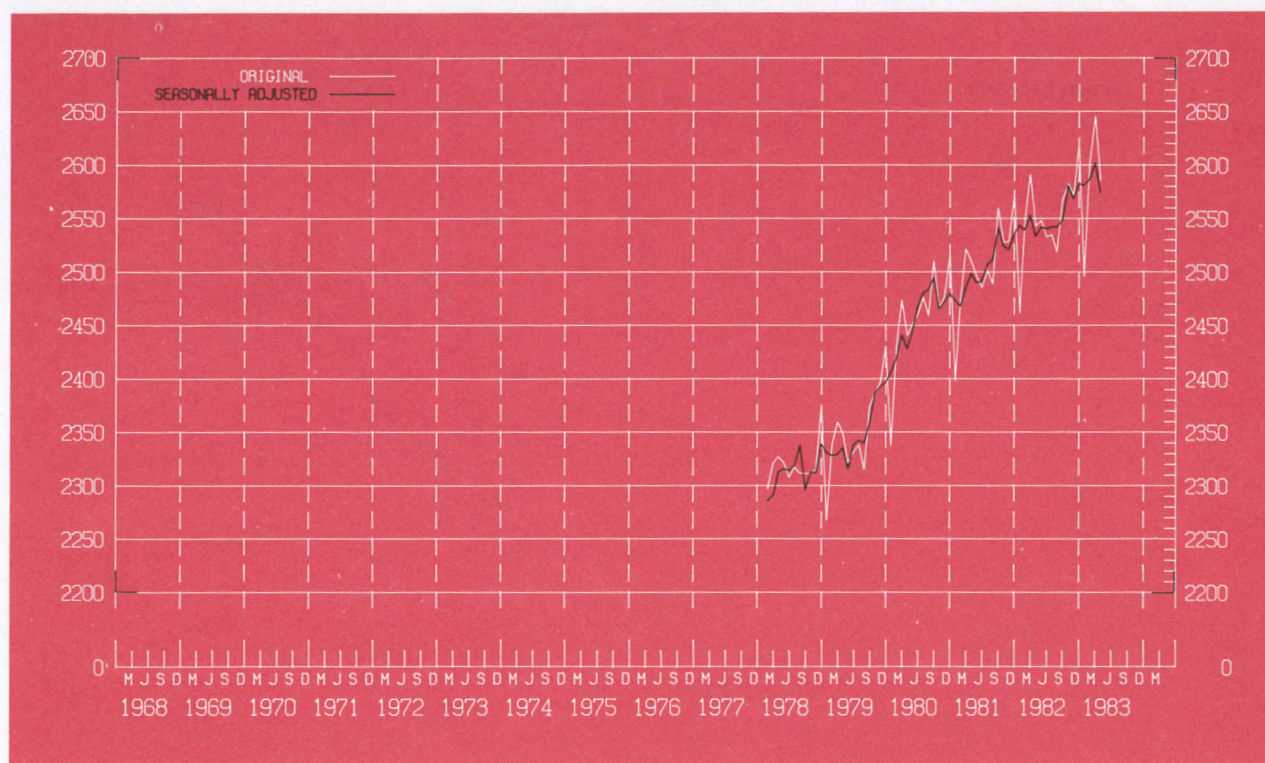
## SEASONALLY ADJUSTED

1978		4081.2	4074.2	4081.3	4076.1	4088.7	4073.8	4086.1	4060.3	4084.0	4091.9	4100.6
1979	4101.0	4104.6	4112.7	4129.4	4122.6	4129.3	4127.1	4133.4	4141.0	4146.8	4151.9	4153.2
1980	4166.3	4162.2	4164.8	4160.1	4205.1	4194.7	4204.5	4213.9	4219.6	4214.3	4224.6	4244.2
1981	4240.3	4244.1	4257.9	4258.7	4259.4	4259.7	4276.2	4277.7	4291.6	4267.6	4280.1	4273.5
1982	4289.3	4305.1	4307.5	4294.2	4309.7	4314.8	4323.2	4321.2	4345.5	4376.9	4373.7	4351.1
1983	4336.8	4359.8	4362.5	4375.6								



## LABOUR FORCE - FEMALES

'000



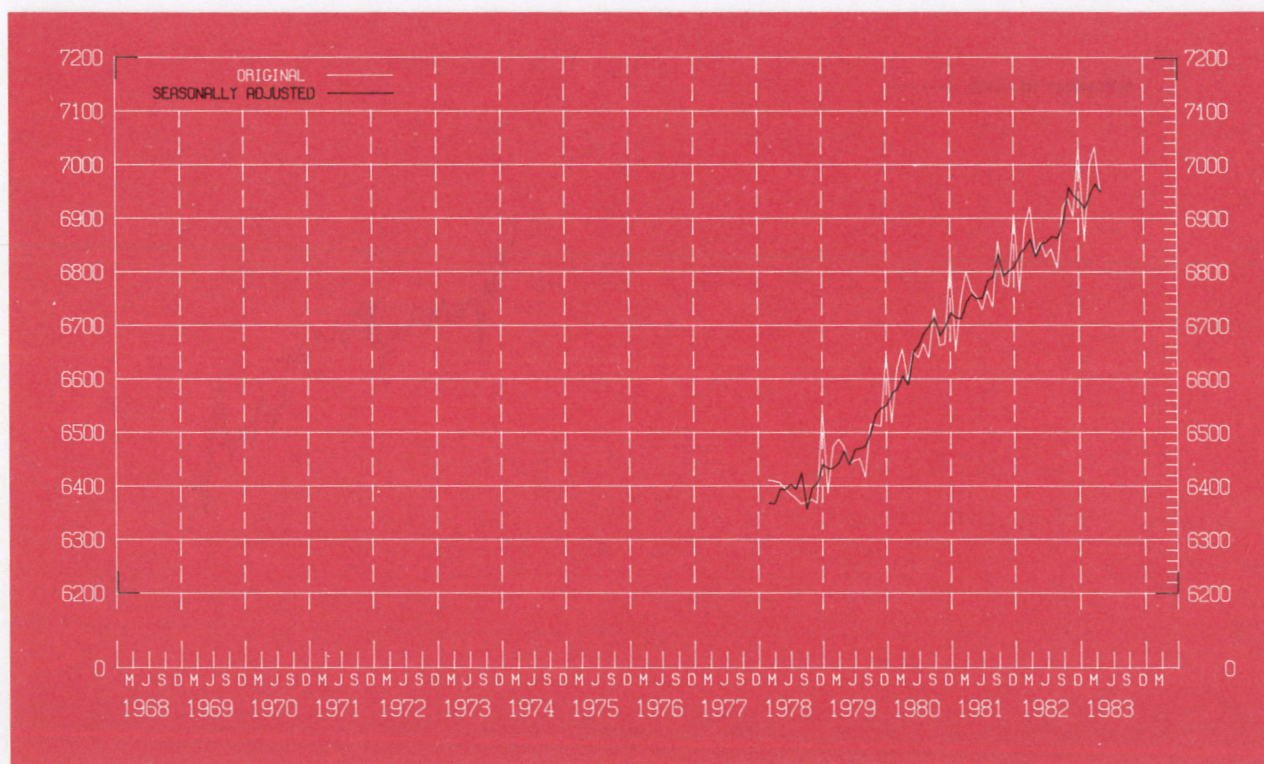
YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
ORIGINAL												
1978		2296.9	2320.5	2326.4	2321.4	2307.5	2316.8	2311.5	2310.5	2311.5	2314.6	2373.5
1979	2266.8	2337.5	2359.2	2348.5	2321.0	2331.3	2337.7	2314.6	2373.7	2386.2	2396.2	2430.4
1980	2337.0	2428.0	2473.0	2440.0	2450.3	2459.6	2475.9	2459.0	2509.7	2466.1	2476.0	2514.9
1981	2397.8	2473.4	2521.0	2509.2	2495.6	2484.9	2501.3	2488.4	2559.7	2527.4	2527.9	2571.6
1982	2461.4	2547.2	2590.9	2542.5	2547.9	2532.4	2534.4	2518.6	2567.1	2582.4	2571.4	2618.4
1983	2495.1	2601.7	2645.3	2585.4								

SEASONALLY ADJUSTED												
1978		2286.4	2291.6	2313.4	2316.3	2314.2	2319.9	2338.4	2296.2	2312.9	2312.4	2339.7
1979	2331.1	2328.8	2329.8	2336.0	2316.3	2338.8	2342.7	2340.5	2359.7	2387.7	2393.7	2397.1
1980	2407.1	2420.0	2441.4	2428.6	2445.1	2467.9	2480.8	2484.2	2494.9	2465.8	2472.0	2480.5
1981	2473.8	2468.4	2485.7	2499.1	2490.3	2492.0	2507.2	2511.9	2541.9	2524.4	2521.2	2536.2
1982	2543.7	2539.3	2553.5	2533.2	2542.2	2540.6	2542.5	2542.0	2548.5	2581.8	2568.8	2582.7
1983	2581.6	2587.0	2602.6	2574.4								



## LABOUR FORCE - PERSONS

'000



YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
ORIGINAL												
1978		6409.3	6408.1	6404.9	6394.0	6384.2	6376.1	6365.3	6369.6	6374.1	6367.0	6538.7
1979	6386.1	6472.9	6486.6	6473.1	6439.9	6446.9	6450.1	6415.3	6514.6	6513.0	6511.2	6646.8
1980	6516.9	6618.6	6655.6	6596.5	6651.4	6638.8	6665.4	6639.0	6730.8	6661.7	6665.5	6821.5
1981	6649.4	6744.8	6799.9	6765.4	6752.7	6729.2	6763.8	6733.4	6857.2	6776.9	6771.4	6905.9
1982	6761.0	6881.9	6920.8	6832.4	6854.7	6826.5	6842.2	6806.0	6920.0	6937.0	6902.6	7030.8
1983	6856.4	7002.2	7032.4	6950.3								

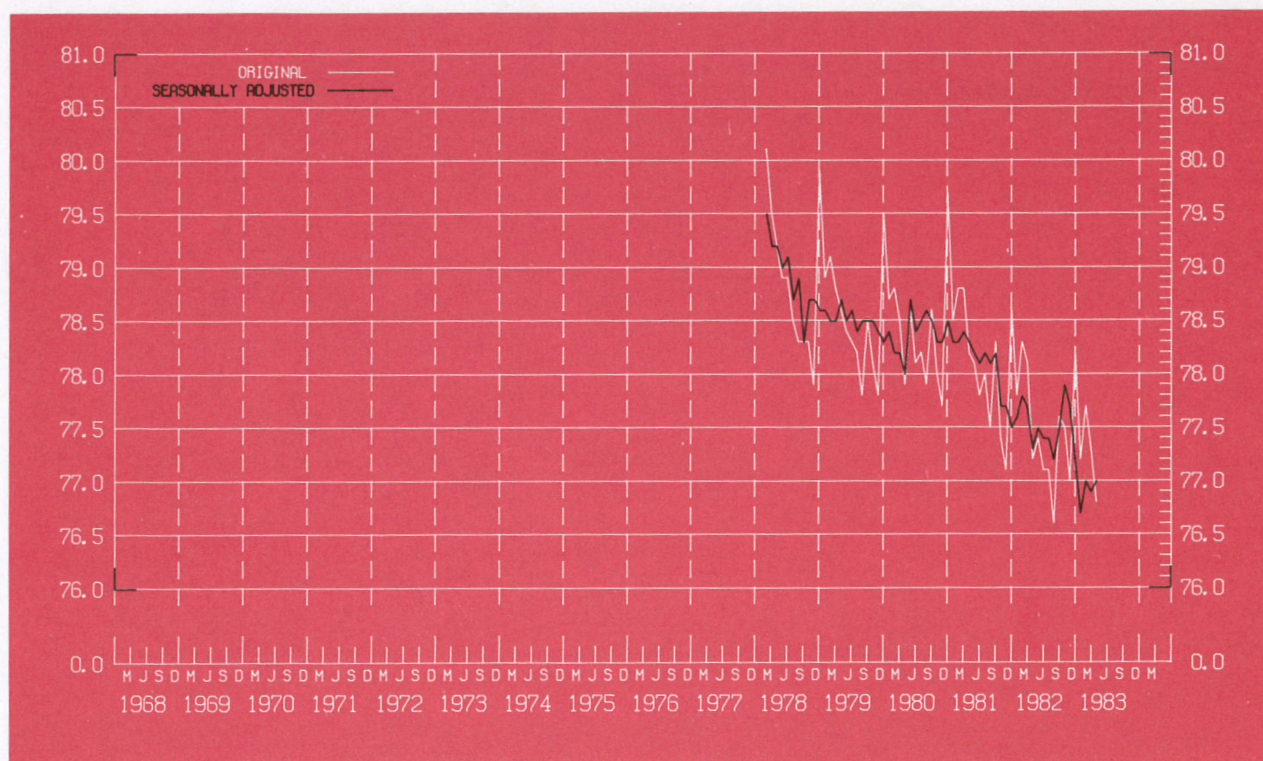
## SEASONALLY ADJUSTED

1978		6367.6	6365.8	6394.7	6392.4	6402.9	6393.7	6424.5	6356.5	6396.9	6404.3	6440.3
1979	6432.1	6433.4	6442.5	6465.4	6438.9	6468.1	6469.8	6473.9	6500.7	6534.5	6545.6	6550.3
1980	6573.4	6582.2	6606.2	6588.7	6650.2	6662.6	6685.3	6698.1	6714.5	6680.1	6696.6	6724.7
1981	6714.1	6712.5	6743.6	6757.8	6749.7	6751.7	6783.4	6789.6	6833.5	6792.0	6801.3	6809.7
1982	6833.0	6844.4	6861.0	6827.4	6851.9	6855.4	6865.7	6863.2	6894.0	6958.7	6942.5	6933.8
1983	6918.4	6946.9	6965.1	6950.1								



## PARTICIPATION RATE - MALES

PER CENT



YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
ORIGINAL												
1978		80.1	79.5	79.2	78.9	78.9	78.5	78.3	78.3	78.3	77.9	79.9
1979	78.9	79.1	78.8	78.6	78.4	78.3	78.2	77.8	78.5	78.1	77.8	79.5
1980	78.7	78.8	78.5	77.9	78.6	78.1	78.2	77.9	78.6	78.0	77.7	79.7
1981	78.5	78.8	78.8	78.2	78.1	77.8	78.0	77.5	78.3	77.4	77.1	78.6
1982	77.8	78.3	78.1	77.2	77.4	77.1	77.1	76.6	77.6	77.5	77.0	78.2
1983	77.2	77.7	77.3	76.8								

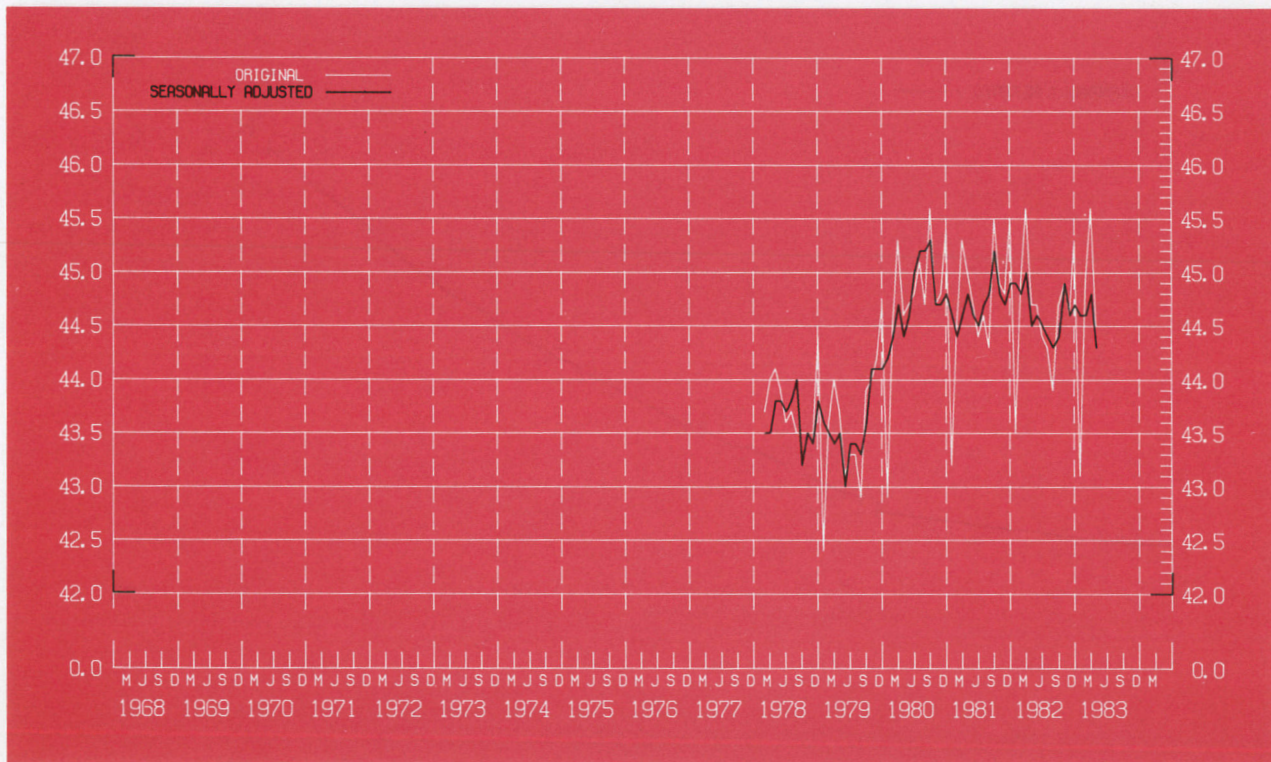
## SEASONALLY ADJUSTED

1978		79.5	79.2	79.2	79.0	79.1	78.7	78.9	78.3	78.7	78.7	78.6
1979	78.6	78.5	78.5	78.7	78.5	78.6	78.4	78.5	78.5	78.5	78.4	78.3
1980	78.4	78.2	78.2	78.0	78.7	78.4	78.5	78.6	78.5	78.3	78.3	78.5
1981	78.3	78.3	78.4	78.3	78.2	78.1	78.2	78.1	78.2	77.7	77.7	77.5
1982	77.6	77.8	77.7	77.3	77.5	77.4	77.4	77.2	77.5	77.9	77.7	77.2
1983	76.7	77.0	76.9	77.0								



## PARTICIPATION RATE - FEMALES

PER CENT



YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
ORIGINAL												
1978		43.7	44.0	44.1	43.9	43.6	43.7	43.5	43.5	43.5	43.4	44.4
1979	42.4	43.6	44.0	43.7	43.1	43.3	43.3	42.9	43.9	44.0	44.2	44.7
1980	42.9	44.5	45.3	44.6	44.7	44.8	45.1	44.7	45.6	44.7	44.8	45.4
1981	43.2	44.5	45.3	45.0	44.7	44.4	44.6	44.3	45.5	44.9	44.8	45.5
1982	43.5	44.9	45.6	44.7	44.7	44.4	44.3	43.9	44.7	44.9	44.6	45.3
1983	43.1	44.9	45.6	44.5								

ORIGINAL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1978		43.7	44.0	44.1	43.9	43.6	43.7	43.5	43.5	43.5	43.4	44.4
1979	42.4	43.6	44.0	43.7	43.1	43.3	43.3	42.9	43.9	44.0	44.2	44.7
1980	42.9	44.5	45.3	44.6	44.7	44.8	45.1	44.7	45.6	44.7	44.8	45.4
1981	43.2	44.5	45.3	45.0	44.7	44.4	44.6	44.3	45.5	44.9	44.8	45.5
1982	43.5	44.9	45.6	44.7	44.7	44.4	44.3	43.9	44.7	44.9	44.6	45.3
1983	43.1	44.9	45.6	44.5								

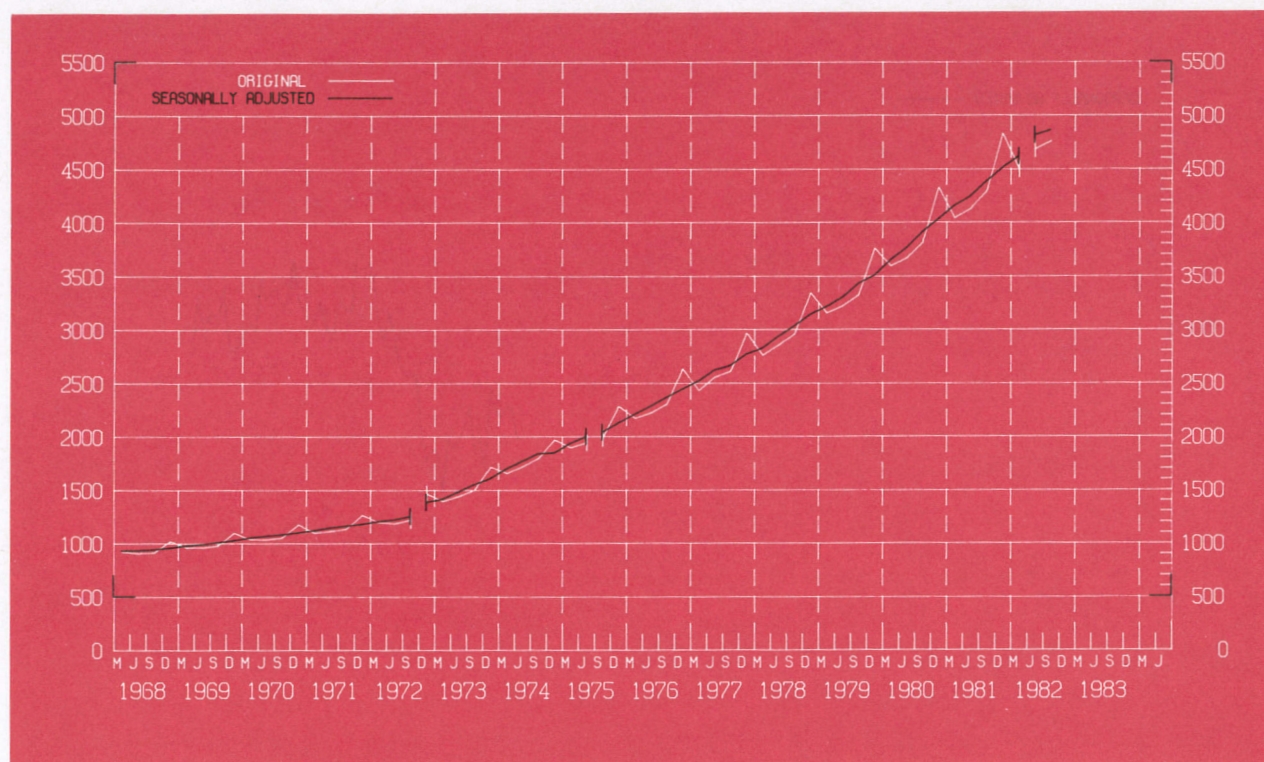
SEASONALLY ADJUSTED

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1978		43.5	43.5	43.8	43.8	43.7	43.8	44.0	43.2	43.5	43.4	43.8
1979	43.6	43.5	43.4	43.5	43.0	43.4	43.4	43.3	43.6	44.1	44.1	44.1
1980	44.2	44.4	44.7	44.4	44.6	45.0	45.2	45.2	45.3	44.7	44.7	44.8
1981	44.6	44.4	44.6	44.8	44.6	44.5	44.7	44.8	45.2	44.8	44.7	44.9
1982	44.9	44.8	45.0	44.5	44.6	44.5	44.4	44.3	44.4	44.9	44.6	44.7
1983	44.6	44.6	44.8	44.3								



QUARTERLY RETAIL SALES (A) - FOOD AND DRINK  
AT CURRENT PRICES

\$ MILLION



YEAR	JAN.	FEB.	MAR. QTR	APR.	MAY	JUN. QTR	JUL.	AUG.	SEP. QTR	OCT.	NOV.	DEC. QTR
ORIGINAL												
1968	842.2	842.2	922.1	842.2	842.2	907.4	842.2	842.2	914.2	842.2	842.2	1021.7
1969	842.2	842.2	962.5	842.2	842.2	962.9	842.2	842.2	979.2	842.2	842.2	1097.7
1970	842.2	842.2	1037.5	842.2	842.2	1035.1	842.2	842.2	1052.9	842.2	842.2	1174.8
1971	842.2	842.2	1098.7	842.2	842.2	1114.0	842.2	842.2	1135.6	842.2	842.2	1265.7
1972	842.2	842.2	1197.0	842.2	842.2	1186.2	842.2	842.2	1220.2	842.2	842.2	1466.1B
1973	842.2	842.2	1396.0	842.2	842.2	1439.7	842.2	842.2	1500.1	842.2	842.2	1715.1
1974	842.2	842.2	1657.5	842.2	842.2	1719.3	842.2	842.2	1796.3	842.2	842.2	1970.0
1975	842.2	842.2	1898.1	842.2	842.2	1941.5	842.2	842.2	1986.2B	842.2	842.2	2281.5
1976	842.2	842.2	2172.3	842.2	842.2	2222.9	842.2	842.2	2305.7	842.2	842.2	2632.0
1977	842.2	842.2	2431.2	842.2	842.2	2554.5	842.2	842.2	2610.9	842.2	842.2	2967.8
1978	842.2	842.2	2760.1	842.2	842.2	2855.7	842.2	842.2	2957.5	842.2	842.2	3343.2
1979	842.2	842.2	3154.2	842.2	842.2	3220.7	842.2	842.2	3322.3	842.2	842.2	3760.2
1980	842.2	842.2	3594.5	842.2	842.2	3667.9	842.2	842.2	3813.7	842.2	842.2	4326.5
1981	842.2	842.2	4043.7	842.2	842.2	4130.2	842.2	842.2	4292.5	842.2	842.2	4831.3
1982	842.2	842.2	4500.8	842.2	842.2	4686.2B	842.2	842.2	4759.9	842.2	842.2	

## SEASONALLY ADJUSTED

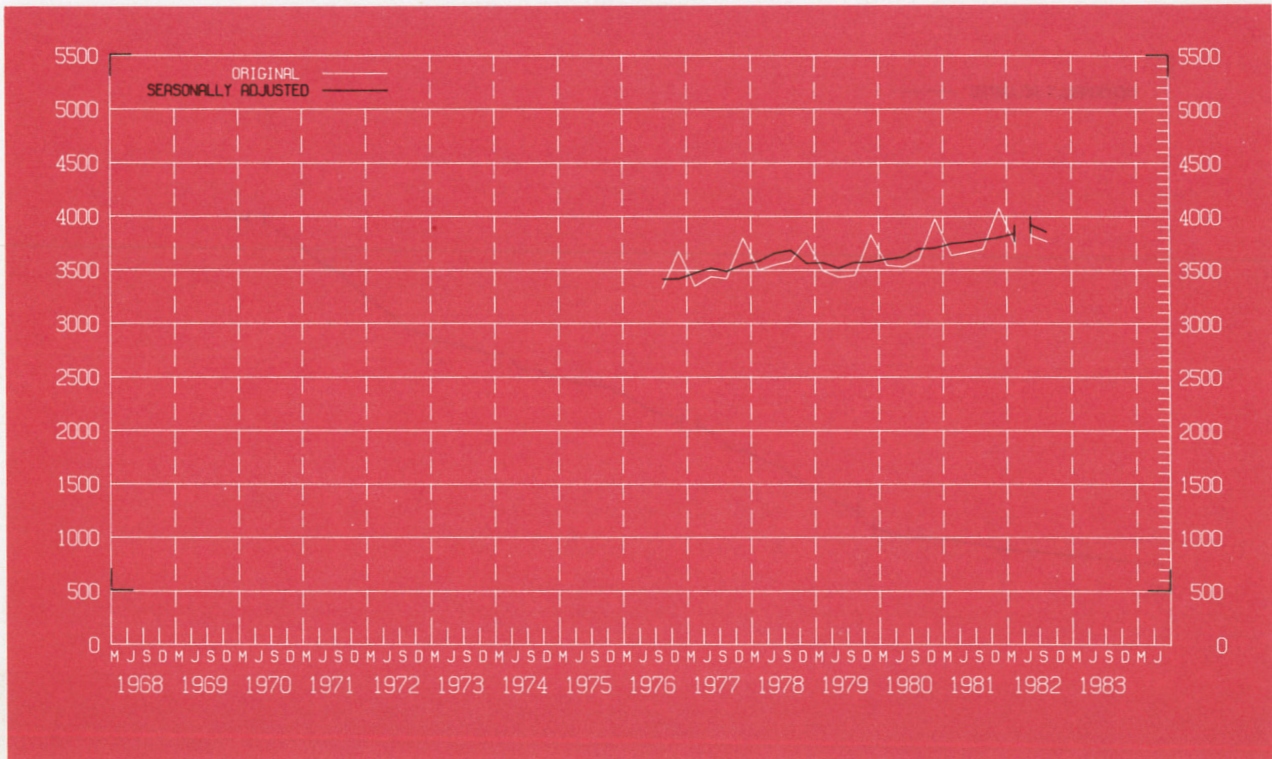
YEAR	JAN.	FEB.	MAR. QTR	APR.	MAY	JUN. QTR	JUL.	AUG.	SEP. QTR	OCT.	NOV.	DEC. QTR
1968	842.2	842.2	928.0	842.2	842.2	932.6	842.2	842.2	939.5	842.2	842.2	957.4
1969	842.2	842.2	977.2	842.2	842.2	989.3	842.2	842.2	1008.0	842.2	842.2	1026.3
1970	842.2	842.2	1053.2	842.2	842.2	1067.1	842.2	842.2	1079.0	842.2	842.2	1100.1
1971	842.2	842.2	1119.3	842.2	842.2	1144.1	842.2	842.2	1163.7	842.2	842.2	1178.8
1972	842.2	842.2	1204.8	842.2	842.2	1219.7	842.2	842.2	1248.8	842.2	842.2	1382.2B
1973	842.2	842.2	1412.5	842.2	842.2	1479.9	842.2	842.2	1548.6	842.2	842.2	1604.8
1974	842.2	842.2	1695.3	842.2	842.2	1764.0	842.2	842.2	1837.9	842.2	842.2	1846.0
1975	842.2	842.2	1933.0	842.2	842.2	1998.7	842.2	842.2	2038.4B	842.2	842.2	2124.6
1976	842.2	842.2	2204.1	842.2	842.2	2278.9	842.2	842.2	2361.3	842.2	842.2	2438.8
1977	842.2	842.2	2514.1	842.2	842.2	2516.4	842.2	842.2	2659.3	842.2	842.2	2767.3
1978	842.2	842.2	2824.9	842.2	842.2	2936.1	842.2	842.2	3032.5	842.2	842.2	3140.8
1979	842.2	842.2	3213.6	842.2	842.2	3301.1	842.2	842.2	3429.3	842.2	842.2	3507.2
1980	842.2	842.2	3648.9	842.2	842.2	3763.5	842.2	842.2	3909.5	842.2	842.2	4030.5
1981	842.2	842.2	4155.3	842.2	842.2	4242.1	842.2	842.2	4381.6	842.2	842.2	4507.1
1982	842.2	842.2	4616.9	842.2	842.2	4814.6B	842.2	842.2	4861.3	842.2	842.2	

(A) EXCLUDES NORTHERN TERRITORY. EXCLUDES AUSTRALIAN CAPITAL TERRITORY  
PRIOR TO JUNE QUARTER 1982.(B) BREAK IN CONTINUITY OF SERIES DUE TO CHANGE IN DEFINITION - SEE EXPLANATORY  
NOTES.



QUARTERLY RETAIL SALES (A) - FOOD AND DRINK  
AT AVERAGE 1979-80 PRICES

\$ MILLION



YEAR	MAR. QTR	JUN. QTR	SEP. QTR	DEC. QTR
		ORIGINAL		
1976			3327.3	3673.7
1977	3348.0	3438.3	3417.8	3796.8
1978	3500.7	3546.8	3583.5	3778.4
1979	3490.5	3430.2	3447.7	3828.4
1980	3540.6	3528.2	3594.0	3977.0
1981	3635.5	3662.1	3692.8	4074.3
1982	3734.9	3819.7B	3764.6	

SEASONALLY ADJUSTED

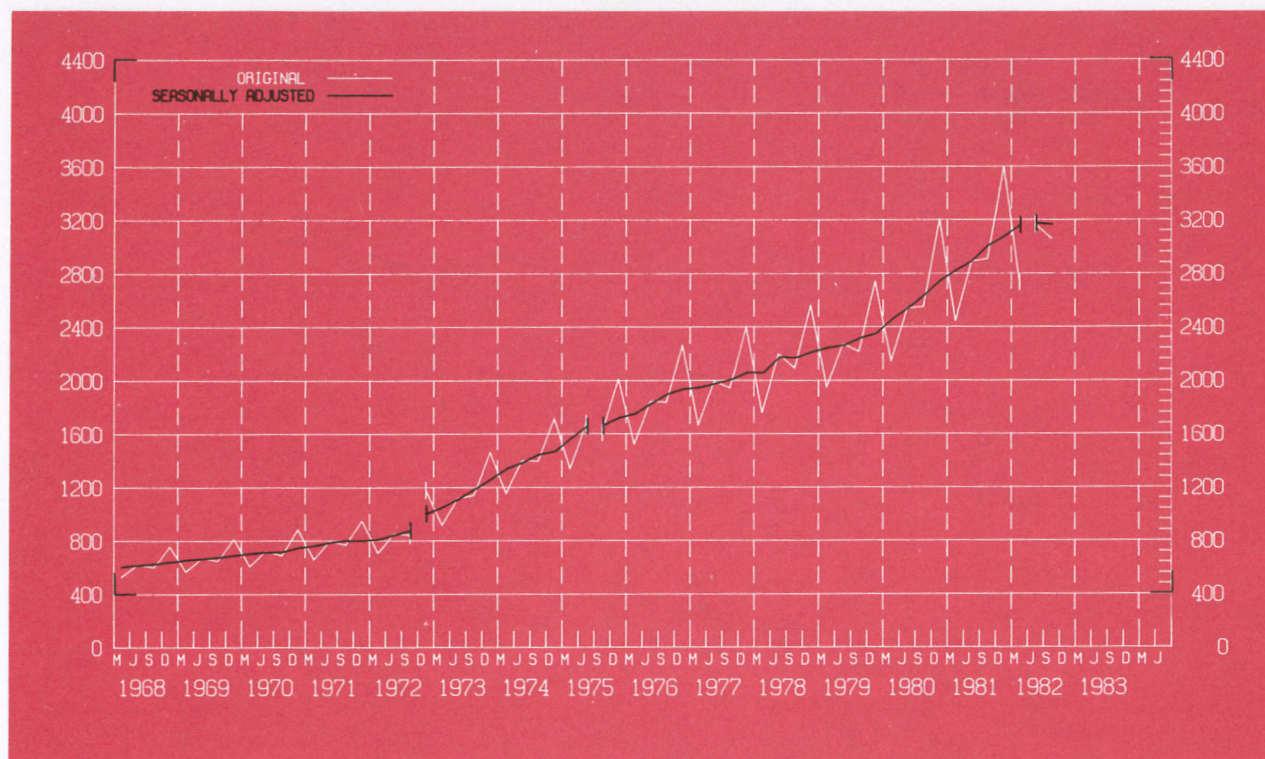
1976			3405.2	3410.3
1977	3466.2	3512.9	3480.8	3544.4
1978	3574.5	3651.1	3677.4	3554.4
1979	3560.4	3509.0	3564.9	3568.6
1980	3596.0	3615.1	3692.0	3700.5
1981	3738.8	3754.9	3776.0	3797.2
1982	3835.1	3915.9B	3850.6	

- (A) EXCLUDES NORTHERN TERRITORY. EXCLUDES AUSTRALIAN CAPITAL TERRITORY PRIOR TO JUNE QUARTER 1982.  
(B) BREAK IN CONTINUITY OF SERIES DUE TO CHANGE IN DEFINITION - SEE EXPLANATORY NOTES.



QUARTERLY RETAIL SALES (A) - CLOTHING, HARDWARE, ELECTRICAL AND FURNITURE  
AT CURRENT PRICES

\$ MILLION



YEAR	MAR. QTR	JUN. QTR	SEP. QTR	DEC. QTR
		ORIGINAL		
1968	530.3	620.8	602.1	755.3
1969	567.0	668.3	649.6	814.7
1970	607.1	721.9	687.1	884.8
1971	659.3	796.0	769.9	950.1
1972	706.7	852.5	841.4	1178.5B
1973	914.4	1118.9	1139.3	1464.7
1974	1151.2	1400.7	1395.7	1716.8
1975	1337.1	1680.7	1608.4B	2009.3
1976	1519.8	1841.5	1836.3	2263.6
1977	1662.7	1990.9	1941.0	2401.4
1978	1755.3	2197.0	2090.0	2561.2
1979	1946.2	2272.4	2213.9	2741.7
1980	2142.1	2540.5	2549.4	3206.8
1981	2439.7	2889.8	2908.9	3597.2
1982	2731.6	3163.6B	3058.5	

SEASONALLY ADJUSTED

YEAR	MAR. QTR	JUN. QTR	SEP. QTR	DEC. QTR
1968	604.8	616.2	626.5	639.6
1969	656.1	663.1	675.6	689.1
1970	704.6	713.5	715.7	747.9
1971	762.6	788.2	801.8	801.8
1972	809.3	844.1	876.5	1001.2B
1973	1050.1	1111.3	1186.7	1260.9
1974	1339.1	1385.8	1445.9	1469.6
1975	1567.4	1658.2	1661.2B	1719.9
1976	1750.4	1826.7	1896.7	1933.1
1977	1943.6	1974.3	2004.0	2055.6
1978	2053.4	2172.1	2165.1	2210.7
1979	2241.0	2259.7	2314.3	2347.3
1980	2453.4	2537.0	2633.2	2741.8
1981	2820.9	2891.0	3006.1	3074.5
1982	3158.2	3170.2B	3159.9	

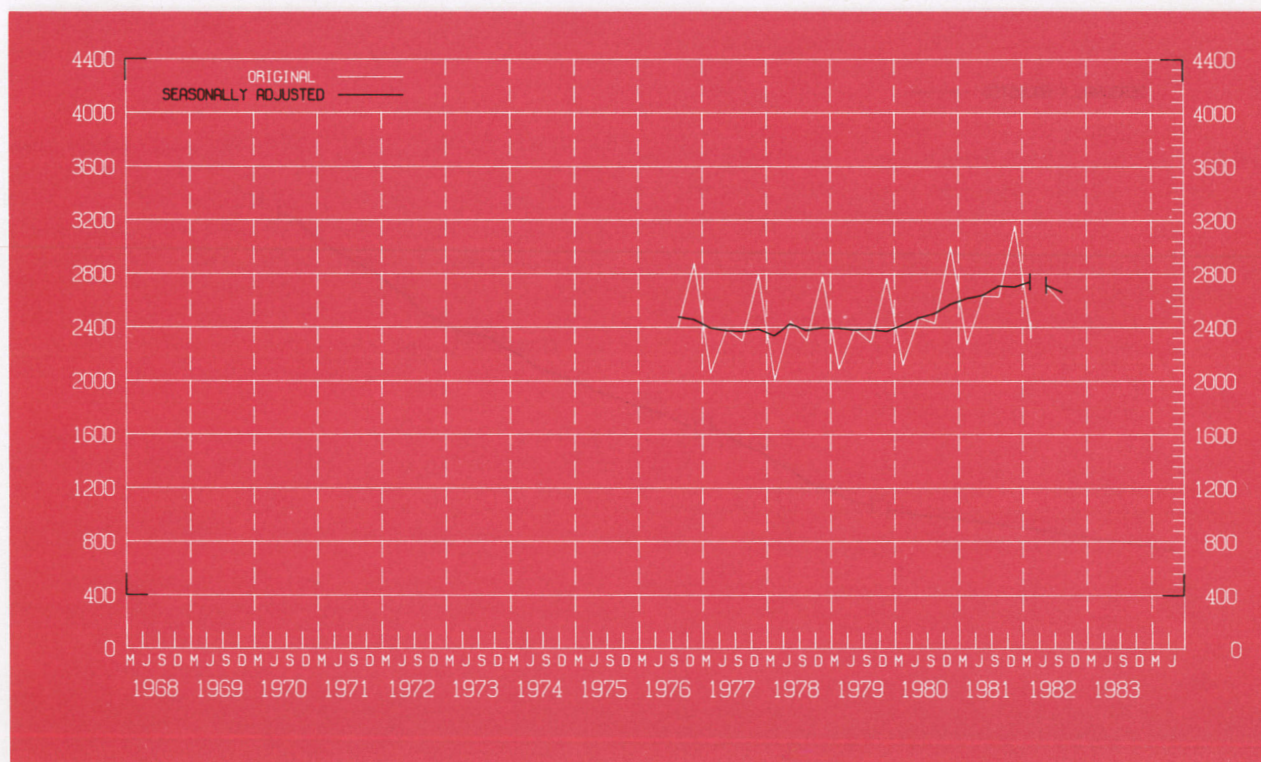
(A) EXCLUDES NORTHERN TERRITORY. EXCLUDES AUSTRALIAN CAPITAL TERRITORY  
PRIOR TO JUNE QUARTER 1982.

(B) BREAK IN CONTINUITY OF SERIES DUE TO CHANGE IN DEFINITION - SEE EXPLANATORY  
NOTES.



QUARTERLY RETAIL SALES (A) - CLOTHING, HARDWARE, ELECTRICAL AND FURNITURE  
AT AVERAGE 1979-80 PRICES

\$ MILLION



YEAR	MAR. QTR	JUN. QTR	SEP. QTR	DEC. QTR
		ORIGINAL		
1976			2403.1	2878.4
1977	2056.1	2384.9	2299.2	2789.9
1978	2005.3	2447.9	2298.9	2776.3
1979	2088.1	2386.3	2285.0	2765.5
1980	2116.9	2470.8	2429.9	3005.9
1981	2270.8	2634.5	2628.9	3159.2
1982	2379.2	2704.4B	2581.1	

SEASONALLY ADJUSTED

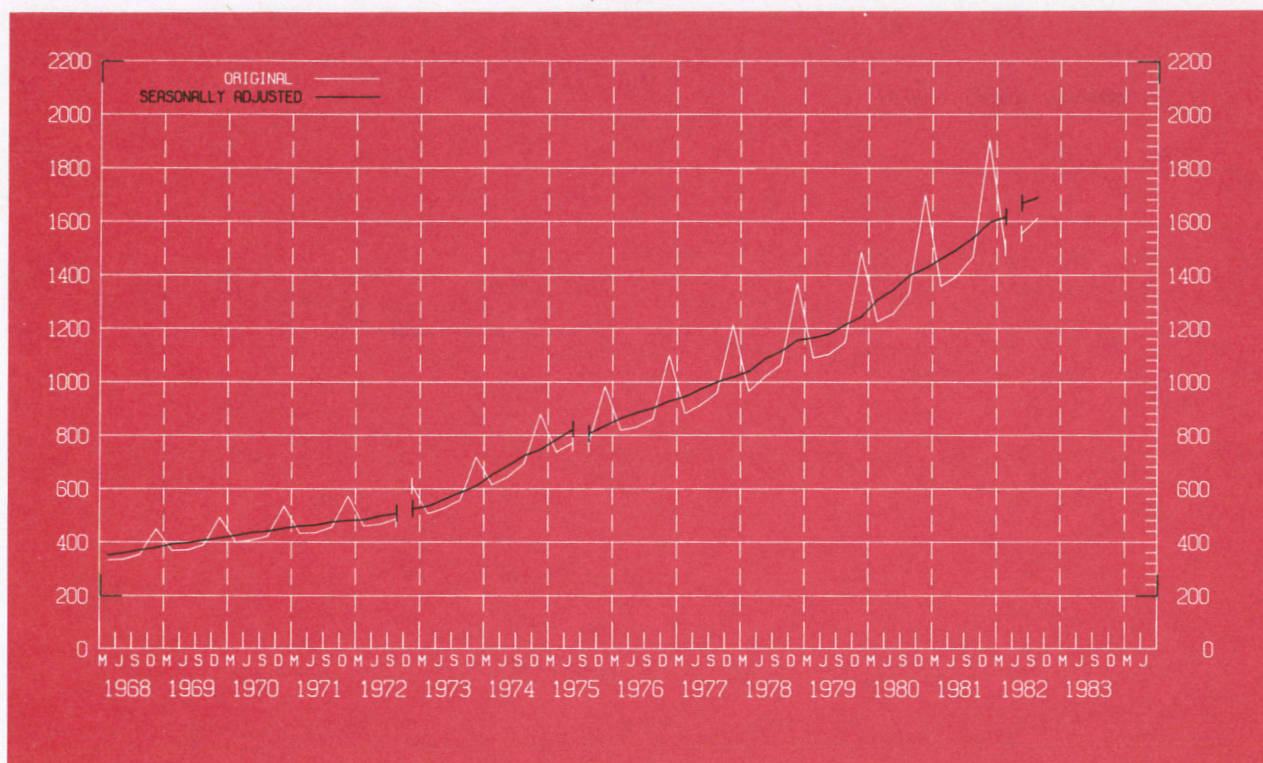
1976			2477.9	2457.6
1977	2395.7	2375.4	2370.0	2387.3
1978	2338.6	2428.3	2378.3	2397.1
1979	2396.2	2382.0	2385.1	2372.6
1980	2417.6	2471.7	2505.3	2575.3
1981	2617.1	2641.8	2712.8	2704.3
1982	2741.8	2715.6B	2663.5	

(A) EXCLUDES NORTHERN TERRITORY. EXCLUDES AUSTRALIAN CAPITAL TERRITORY PRIOR TO JUNE QUARTER 1982.

(B) BREAK IN CONTINUITY OF SERIES DUE TO CHANGE IN DEFINITION - SEE EXPLANATORY NOTES.



QUARTERLY RETAIL SALES (A) - ALL OTHER GOODS  
(EXCLUDING MOTOR VEHICLES, PARTS, PETROL, ETC.)  
AT CURRENT PRICES  
\$ MILLION



YEAR	MAR. QTR	JUN. QTR	SEP. QTR	DEC. QTR
		ORIGINAL		
1968	332.1	336.0	355.2	448.6
1969	367.9	370.9	390.2	491.7
1970	398.9	408.1	421.9	534.2
1971	431.6	434.6	455.8	572.1
1972	459.6	467.1	485.5	611.2B
1973	506.3	525.6	556.6	718.8
1974	613.6	645.2	694.7	879.0
1975	737.1	772.0	770.2B	983.3
1976	819.1	830.7	862.0	1099.5
1977	880.5	913.7	958.8	1213.1
1978	963.7	1018.6	1064.0	1367.7
1979	1088.7	1104.0	1149.2	1484.5
1980	1225.8	1255.3	1331.3	1699.3
1981	1356.7	1396.2	1468.2	1903.8
1982	1502.1	1554.0B	1612.0	

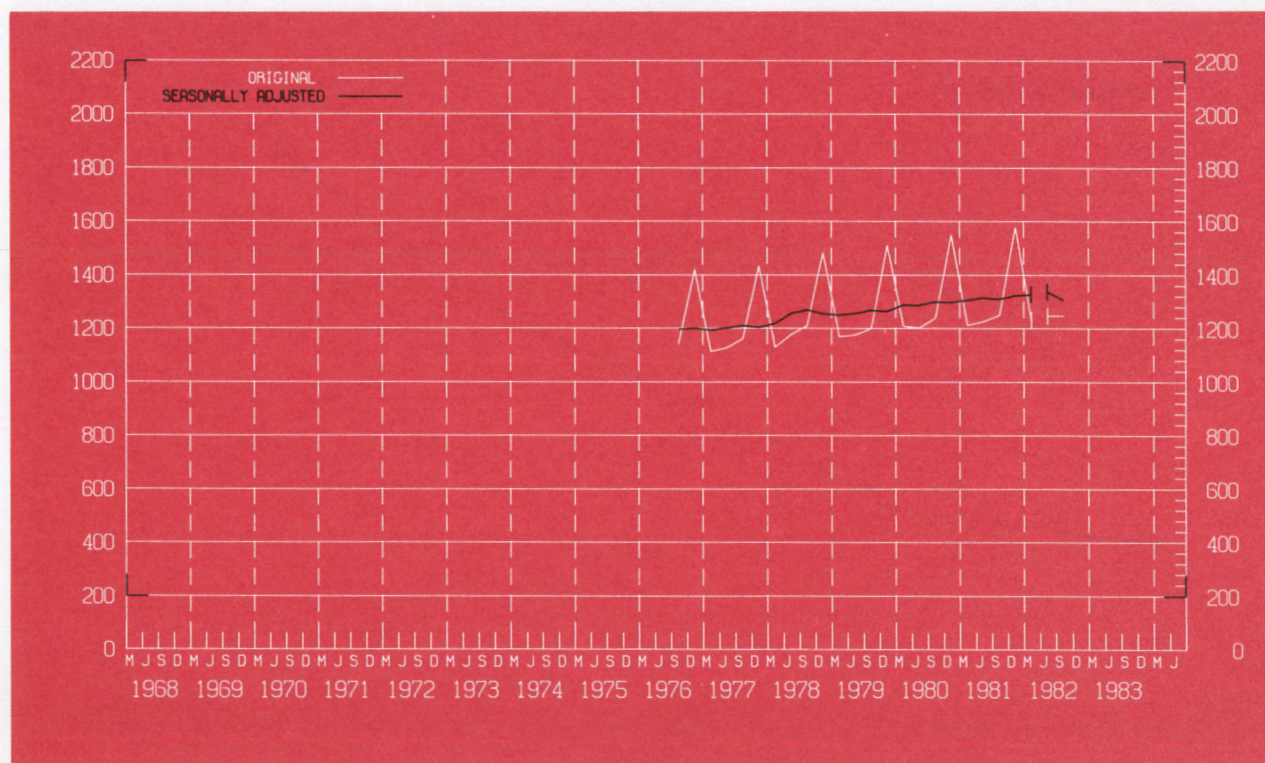
## SEASONALLY ADJUSTED

YEAR	MAR. QTR	JUN. QTR	SEP. QTR	DEC. QTR
1968	351.8	361.1	371.5	380.6
1969	393.7	398.5	408.7	417.0
1970	427.0	438.2	441.7	453.6
1971	461.9	466.1	477.5	483.4
1972	486.4	500.4	508.6	525.7B
1973	536.2	562.2	588.0	612.4
1974	656.1	689.8	727.4	749.5
1975	787.5	824.9	808.2B	838.2
1976	866.1	886.8	904.4	930.4
1977	947.1	976.3	1001.8	1021.3
1978	1042.0	1089.9	1118.0	1159.3
1979	1167.8	1183.0	1217.5	1245.6
1980	1309.8	1347.2	1399.7	1428.2
1981	1464.0	1500.0	1542.5	1599.8
1982	1621.3	1670.5B	1692.5	

- (A) EXCLUDES NORTHERN TERRITORY. EXCLUDES AUSTRALIAN CAPITAL TERRITORY PRIOR TO JUNE QUARTER 1982.  
(B) BREAK IN CONTINUITY OF SERIES DUE TO CHANGE IN DEFINITION - SEE EXPLANATORY NOTES.



QUARTERLY RETAIL SALES (A) - ALL OTHER GOODS  
(EXCLUDING MOTOR VEHICLES, PARTS, PETROL, ETC.)  
AT AVERAGE 1979-80 PRICES  
\$ MILLION



YEAR	MAR. QTR	JUN. QTR	SEP. QTR	DEC. QTR
	ORIGINAL			
1976			1141.9	1418.5
1977	1113.3	1126.9	1161.1	1431.9
1978	1129.4	1175.9	1209.1	1482.0
1979	1167.5	1174.1	1198.5	1509.0
1980	1206.6	1200.7	1238.0	1547.9
1981	1210.8	1225.2	1248.6	1578.0
1982	1229.8	1245.5B	1245.6	

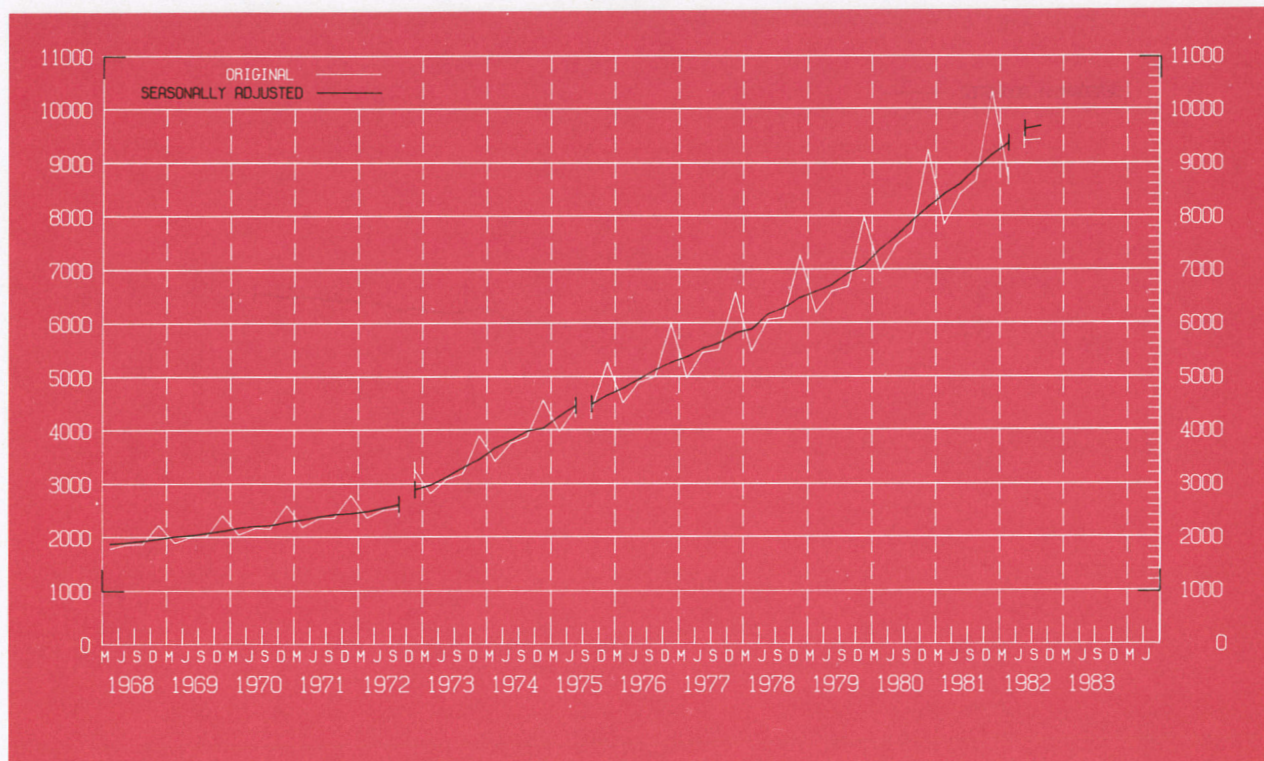
## SEASONALLY ADJUSTED

1976			1198.6	1202.2
1977	1195.8	1204.3	1213.4	1205.5
1978	1221.0	1258.5	1270.7	1257.0
1979	1251.5	1258.1	1269.8	1266.3
1980	1289.5	1288.6	1301.5	1300.0
1981	1307.6	1316.5	1311.5	1324.9
1982	1329.0	1338.8B	1307.5	

- (A) EXCLUDES NORTHERN TERRITORY. EXCLUDES AUSTRALIAN CAPITAL TERRITORY PRIOR TO JUNE QUARTER 1982.  
(B) BREAK IN CONTINUITY OF SERIES DUE TO CHANGE IN DEFINITION - SEE EXPLANATORY NOTES.



QUARTERLY RETAIL SALES (A) - ALL ITEMS  
(EXCLUDING MOTOR VEHICLES, PARTS, PETROL, ETC.)  
AT CURRENT PRICES  
\$ MILLION



YEAR	MAR. QTR	JUN. QTR	SEP. QTR	DEC. QTR
ORIGINAL				
1968	1784.5	1864.2	1871.5	2225.6
1969	1897.4	2002.1	2019.0	2404.1
1970	2043.5	2165.1	2161.9	2593.8
1971	2189.6	2344.6	2361.3	2787.9
1972	2363.3	2505.8	2547.1	3255.8B
1973	2816.7	3084.2	3196.0	3898.6
1974	3422.3	3765.2	3886.7	4565.8
1975	3972.3	4394.2	4364.8B	5274.1
1976	4511.2	4895.1	5004.0	5995.1
1977	4974.4	5459.1	5510.7	6582.3
1978	5479.1	6071.3	6111.5	7272.1
1979	6189.1	6597.1	6685.4	7986.4
1980	6962.4	7463.7	7694.4	9232.6
1981	7840.1	8416.2	8669.6	10332.3
1982	8734.5	9403.8B	9430.4	

## SEASONALLY ADJUSTED

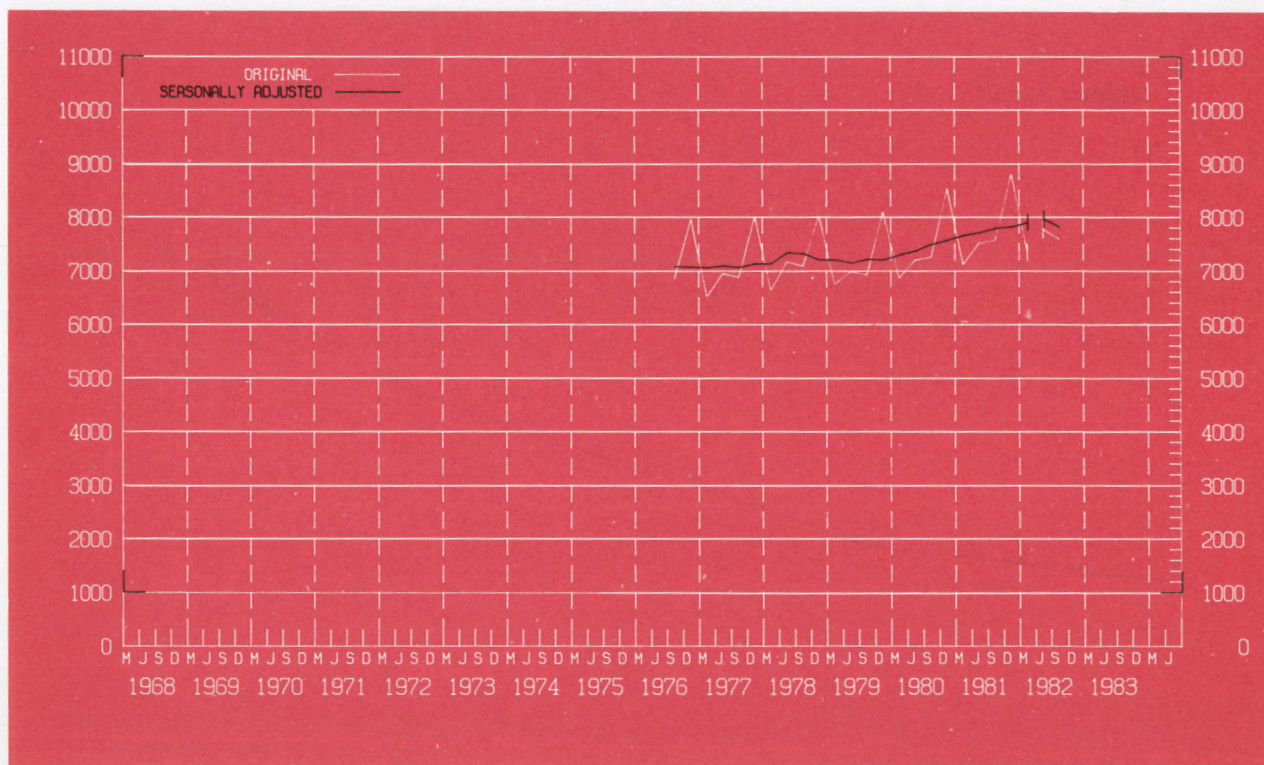
1968	1884.5	1909.8	1937.5	1977.6
1969	2027.0	2050.9	2092.3	2132.4
1970	2184.8	2218.8	2236.4	2301.6
1971	2343.8	2398.4	2443.0	2464.0
1972	2500.5	2564.2	2633.9	2909.1B
1973	2998.8	3153.4	3323.3	3478.1
1974	3690.5	3839.6	4011.2	4065.1
1975	4287.9	4481.8	4507.8B	4682.7
1976	4820.6	4992.4	5162.4	5302.3
1977	5404.8	5567.0	5665.1	5844.2
1978	5920.3	6198.1	6315.6	6510.8
1979	6622.4	6743.8	6961.1	7100.1
1980	7412.1	7647.7	7942.4	8200.5
1981	8440.2	8633.1	8930.1	9181.4
1982	9396.4	9655.3B	9713.7	

(A) EXCLUDES NORTHERN TERRITORY. EXCLUDES AUSTRALIAN CAPITAL TERRITORY  
PRIOR TO JUNE QUARTER 1982.

(B) BREAK IN CONTINUITY OF SERIES DUE TO CHANGE IN DEFINITION - SEE EXPLANATORY  
NOTES.



QUARTERLY RETAIL SALES (A) - ALL ITEMS  
(EXCLUDING MOTOR VEHICLES, PARTS, PETROL, ETC.)  
AT AVERAGE 1979-80 PRICES  
\$ MILLION



YEAR	JAN	FEB	MAR. QTR	APR	MAY	JUN. QTR	JUL	AUG	SEP. QTR	OCT	NOV	DEC. QTR
ORIGINAL												
1976	6517.4	6635.4	6746.1	6864.1	7117.1	7343.9						
1977	6950.1	7170.6	6990.6	7199.7	7521.8	7769.6B						
1978	6872.3	6878.1	7091.5	6931.2	7261.9	7570.3						
1979	7081.7	7064.2	7326.4	7219.8	7498.8	7800.3						
1980	7070.1	7137.2	7208.5	7207.5	7575.8	7826.4						
1981												
1982												
1983												

SEASONALLY ADJUSTED

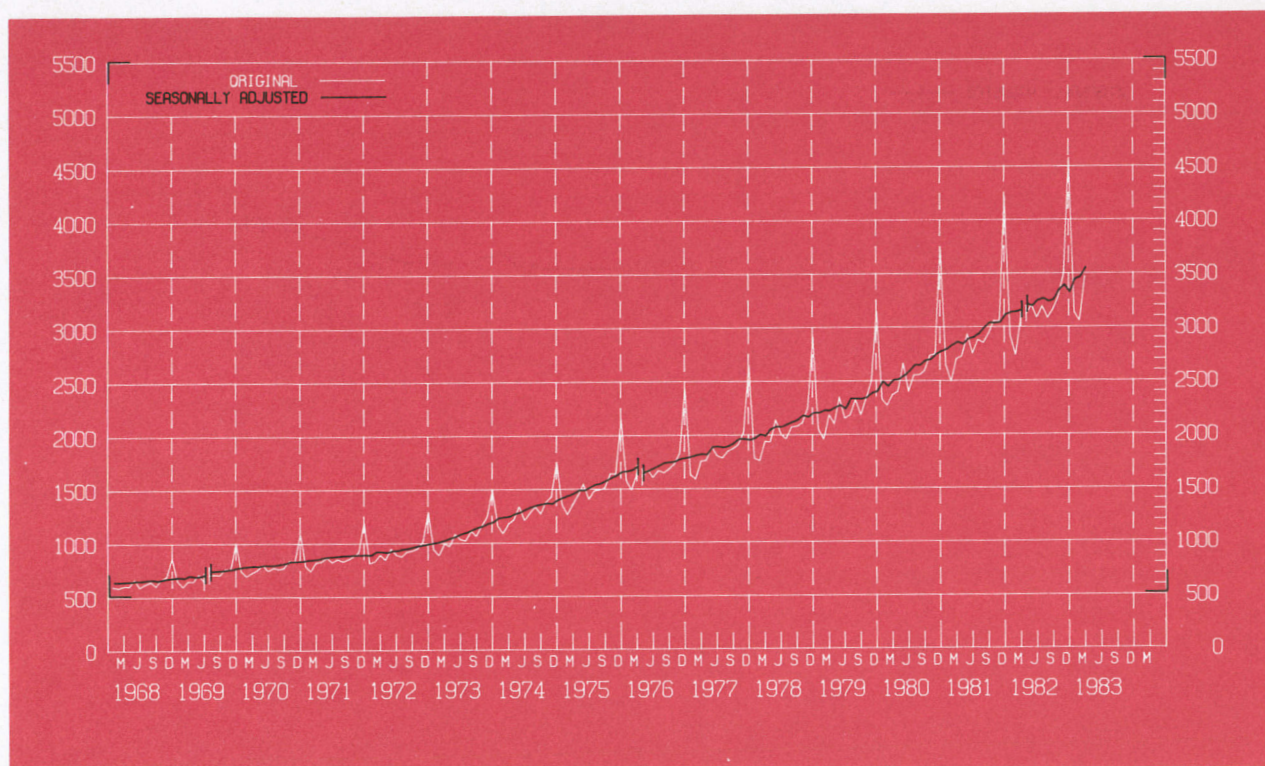
1976	7057.7	7092.6	7081.7	7070.1
1977	7134.1	7337.9	7064.2	7137.2
1978	7208.1	7149.1	7326.4	7208.5
1979	7303.1	7375.4	7219.8	7207.5
1980	7663.5	7713.2	7498.8	7575.8
1981	7905.9	7970.3B	7800.3	7826.4
1982			7821.6	

(A) EXCLUDES NORTHERN TERRITORY. EXCLUDES AUSTRALIAN CAPITAL TERRITORY  
PRIOR TO JUNE QUARTER 1982.  
(B) BREAK IN CONTINUITY OF SERIES DUE TO CHANGE IN DEFINITION - SEE EXPLANATORY  
NOTES.



MONTHLY RETAIL SALES (A) - ALL ITEMS  
(EXCLUDING MOTOR VEHICLES, PARTS, PETROL, ETC.)

\$ MILLION

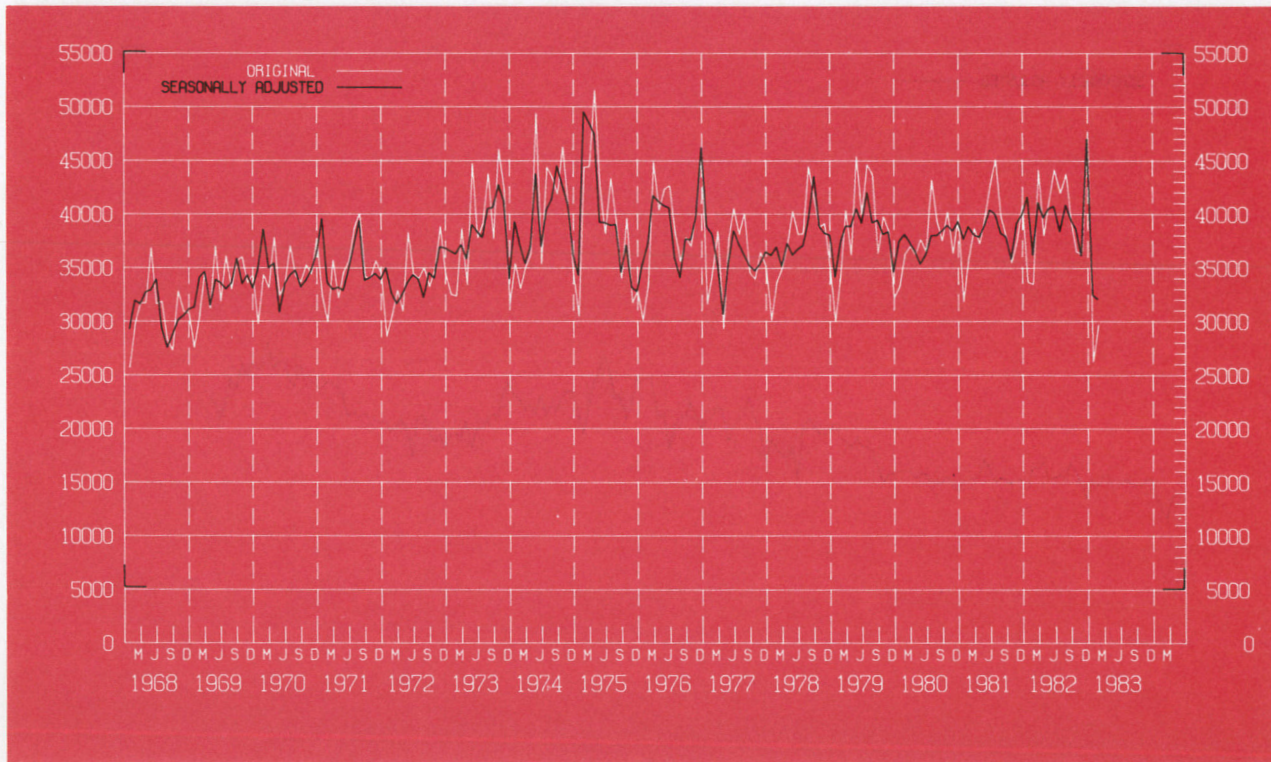


YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
ORIGINAL												
1968	595.0	584.4	605.1	604.7	666.5	593.0	623.1	645.0	603.4	663.1	695.3	867.2
1969	652.6	597.3	647.5	646.2	710.8	645.1	704.8B	709.8	706.0	764.1	754.9	1007.9
1970	742.6	692.6	726.4	752.9	798.5	744.2	773.4	757.5	769.9	838.6	828.9	1089.0
1971	786.7	740.3	820.1	831.2	862.2	822.8	849.4	829.3	849.1	877.6	913.8	1193.0
1972	811.3	829.9	888.9	845.4	946.7	890.5	876.1	920.9	929.7	948.8	1015.6	1291.4
1973	937.9	885.2	993.6	969.3	1081.9	1032.9	1021.1	1111.0	1063.9	1163.7	1239.4	1495.5
1974	1157.3	1087.4	1177.6	1214.7	1341.1	1209.4	1278.6	1334.8	1273.3	1379.9	1429.4	1756.5
1975	1354.6	1263.6	1354.1	1442.0	1548.0	1404.2	1484.4	1494.3	1512.1	1644.2	1637.3	2149.1
1976	1576.1	1486.5	1645.9	1613.3B	1673.8	1608.0	1669.5	1648.9	1685.6	1731.4	1833.3	2430.4
1977	1628.2	1589.2	1757.0	1765.1	1888.6	1805.4	1784.9	1849.8	1876.0	1910.2	2021.5	2650.6
1978	1780.0	1758.5	1940.6	1928.8	2139.2	2003.3	1959.3	2071.6	2080.6	2110.2	2244.1	2917.8
1979	2048.8	1955.2	2185.1	2097.9	2348.3	2150.9	2182.0	2321.6	2181.8	2333.8	2501.2	3151.4
1980	2324.0	2268.1	2370.3	2399.1	2666.1	2398.5	2551.6	2551.6	2591.2	2734.5	2746.7	3751.4
1981	2643.7	2491.9	2704.5	2727.6	2935.9	2752.7	2880.2	2852.3	2937.1	3056.5	3053.4	4222.4
1982	2918.2	2736.9	3079.4	3120.4B	3202.7	3084.2	3189.6	3079.9	3163.0	3272.2	3481.7	4577.8
1983	3132.2	3052.9	3470.9									
SEASONALLY ADJUSTED												
1968	627.3	626.8	633.1	635.1	638.8	639.5	646.5	650.3	640.3	655.0	661.9	666.7
1969	672.5	667.5	687.7	676.9	680.0	697.5	727.5B	733.6	733.8	741.4	746.6	758.8
1970	768.5	772.8	777.2	775.8	785.2	783.3	785.1	792.4	799.0	817.4	818.8	821.3
1971	829.8	834.3	839.5	852.0	859.6	863.7	868.1	871.4	874.8	877.4	878.6	879.2
1972	875.9	906.6	906.9	902.0	917.2	920.8	933.0	938.6	950.7	963.2	969.8	981.6
1973	989.6	1001.0	1014.4	1032.2	1047.3	1071.4	1084.7	1108.7	1129.6	1145.6	1166.9	1181.8
1974	1220.0	1227.4	1232.6	1257.1	1272.3	1300.4	1319.3	1337.3	1347.7	1358.6	1352.4	1387.7
1975	1409.0	1427.7	1446.6	1476.9	1473.8	1503.7	1529.1	1539.3	1564.1	1593.7	1615.1	1646.9
1976	1651.8	1665.0	1697.3	1635.5B	1658.2	1678.8	1704.1	1729.3	1736.2	1742.9	1768.3	1774.4
1977	1788.3	1801.8	1811.7	1805.7	1877.2	1880.4	1873.7	1885.1	1910.2	1952.9	1948.4	1939.9
1978	1960.6	1992.4	1977.6	2044.9	2063.9	2063.7	2084.5	2107.9	2125.8	2167.1	2152.4	2191.9
1979	2192.9	2214.0	2213.7	2239.6	2262.5	2227.3	2325.2	2321.9	2319.6	2334.9	2376.5	2392.9
1980	2482.0	2438.4	2497.8	2502.7	2538.6	2581.1	2638.2	2636.0	2679.4	2690.6	2736.7	2766.9
1981	2785.3	2821.5	2850.1	2830.4	2879.9	2894.5	2926.5	2984.4	3030.1	3024.9	3034.7	3106.4
1982	3128.0	3132.4	3150.2	3203.6B	3185.7	3237.1	3254.7	3227.2	3241.7	3333.3	3381.8	3309.0
1983	3436.7	3457.7	3543.1									

(A) EXCLUDES NORTHERN TERRITORY. EXCLUDES AUSTRALIAN CAPITAL TERRITORY PRIOR TO APRIL 1982.  
(B) BREAK IN CONTINUITY OF SERIES DUE TO CHANGE IN DEFINITION - SEE EXPLANATORY NOTES.



NUMBER

[illegible]

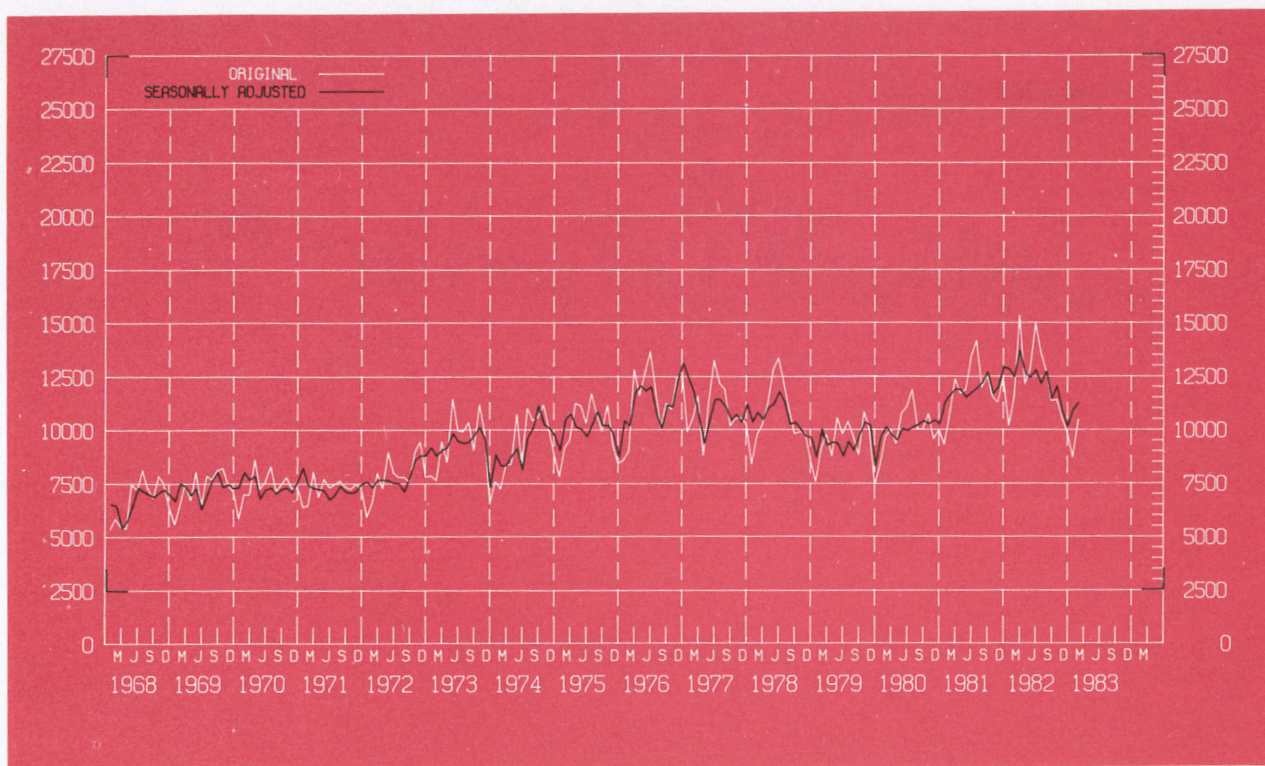
SEASONALLY ADJUSTED

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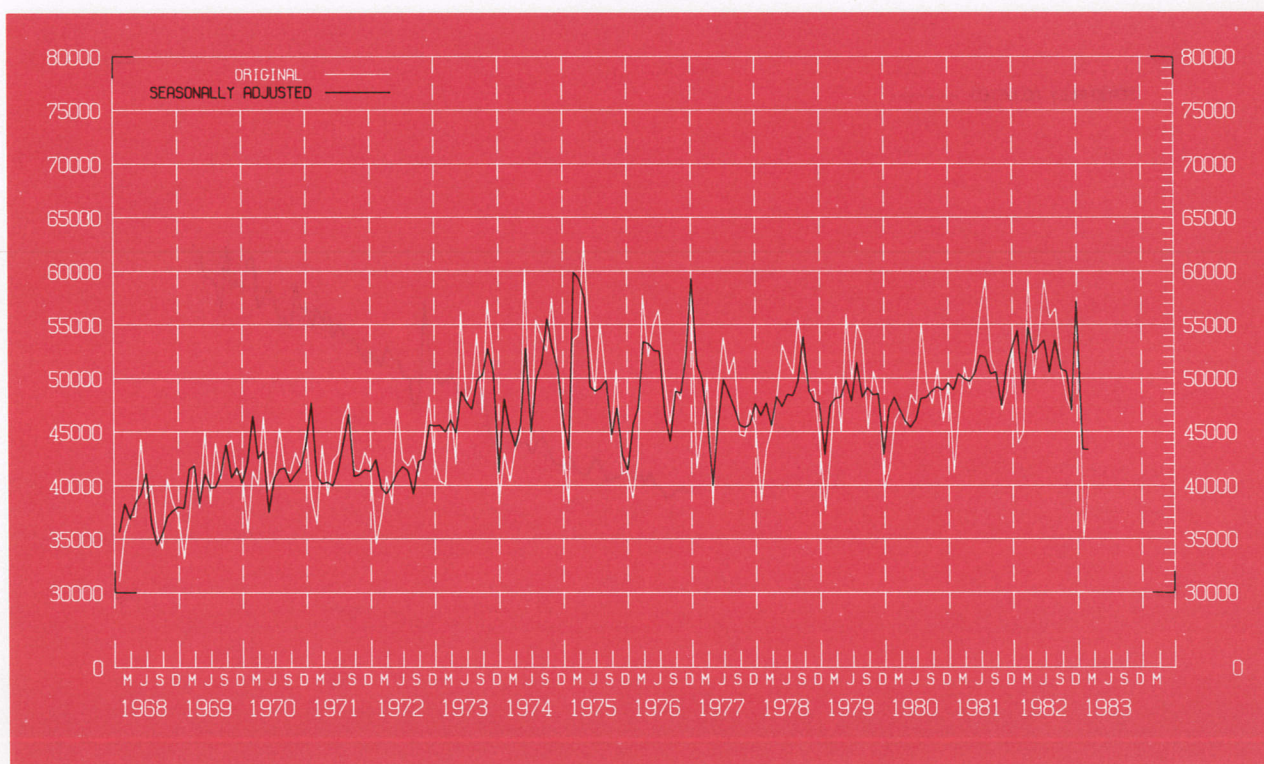
## REGISTRATIONS OF NEW MOTOR VEHICLES - OTHER VEHICLES

NUMBER

[illegible][illegible]



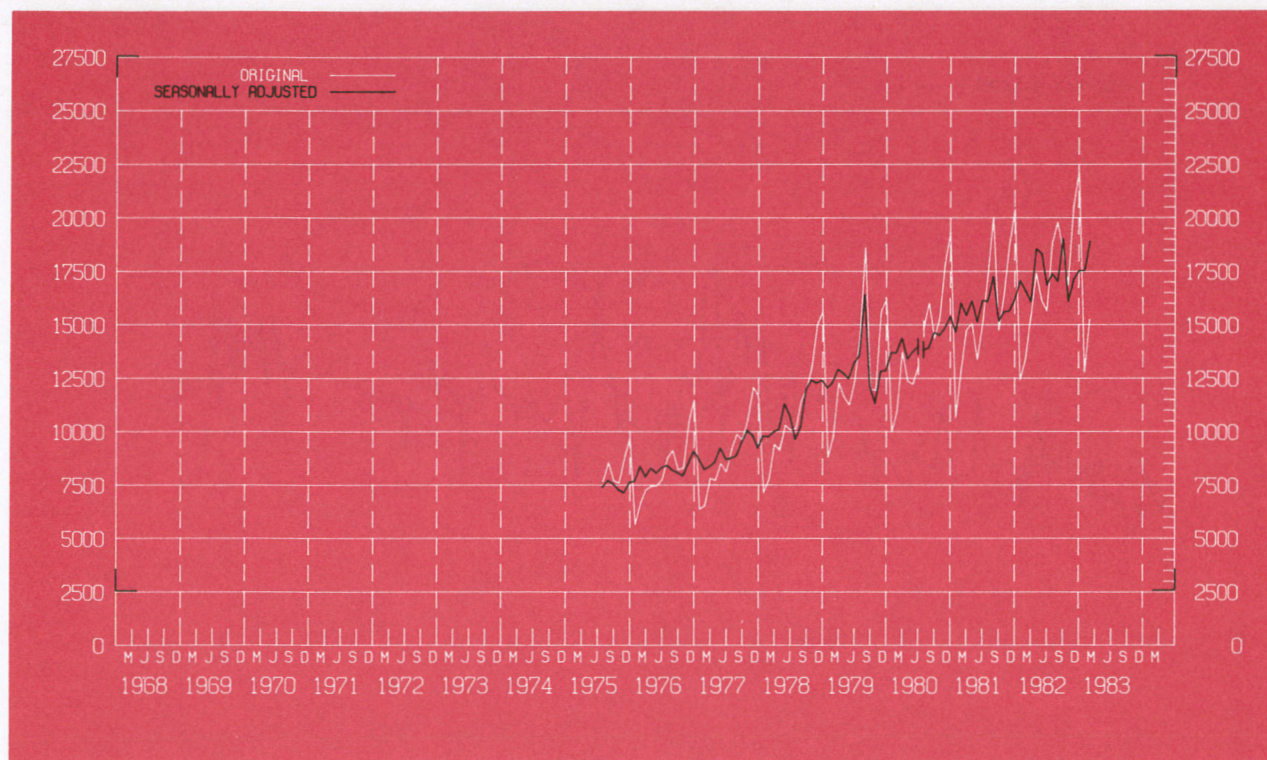
NUMBER

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SALES OF AUSTRALIAN WINE BY WINEMAKERS  
TABLE WINE

'000 LITRES



YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
ORIGINAL												
1975							7660	8556	7690	7569	8749	9661
1976	5619	6642	7265	7434	7453	7738	8753	9110	8211	8285	10451	11481
1977	6361	6520	7795	7707	8497	8110	9163	9861	9600	10580	12072	11630
1978	7137	7726	9401	9116	10300	10061	10142	11436	11967	13067	15004	15611
1979	8779	9772	12272	11603	11230	12326	14402	18611	11989	11915	15594	16153
1980	9954	10914	13729	12353	12216	13037	14799A	16005	14344	15270	17869	19335
1981	10638	12853	14750	15049	13357	15009	17304	20019	14739	16359	18734	20405
1982	12405	13369	15364	17420	16147	15639	18758	19793	18482	16820	20484	22121
1983	12761	15254										

1975	5619	6642	7265	7434	7453	7738	8753	9110	8211	8285	10451	11481
1976	6361	6520	7795	7707	8497	8110	9163	9861	9600	10580	12072	11630
1977	7137	7726	9401	9116	10300	10061	10142	11436	11967	13067	15004	15611
1978	8779	9772	12272	11603	11230	12326	14402	18611	11989	11915	15594	16153
1979	9954	10914	13729	12353	12216	13037	14799A	16005	14344	15270	17869	19335
1980	10638	12853	14750	15049	13357	15009	17304	20019	14739	16359	18734	20405
1981	12405	13369	15364	17420	16147	15639	18758	19793	18482	16820	20484	22121
1982	12761	15254										
1983												

## SEASONALLY ADJUSTED

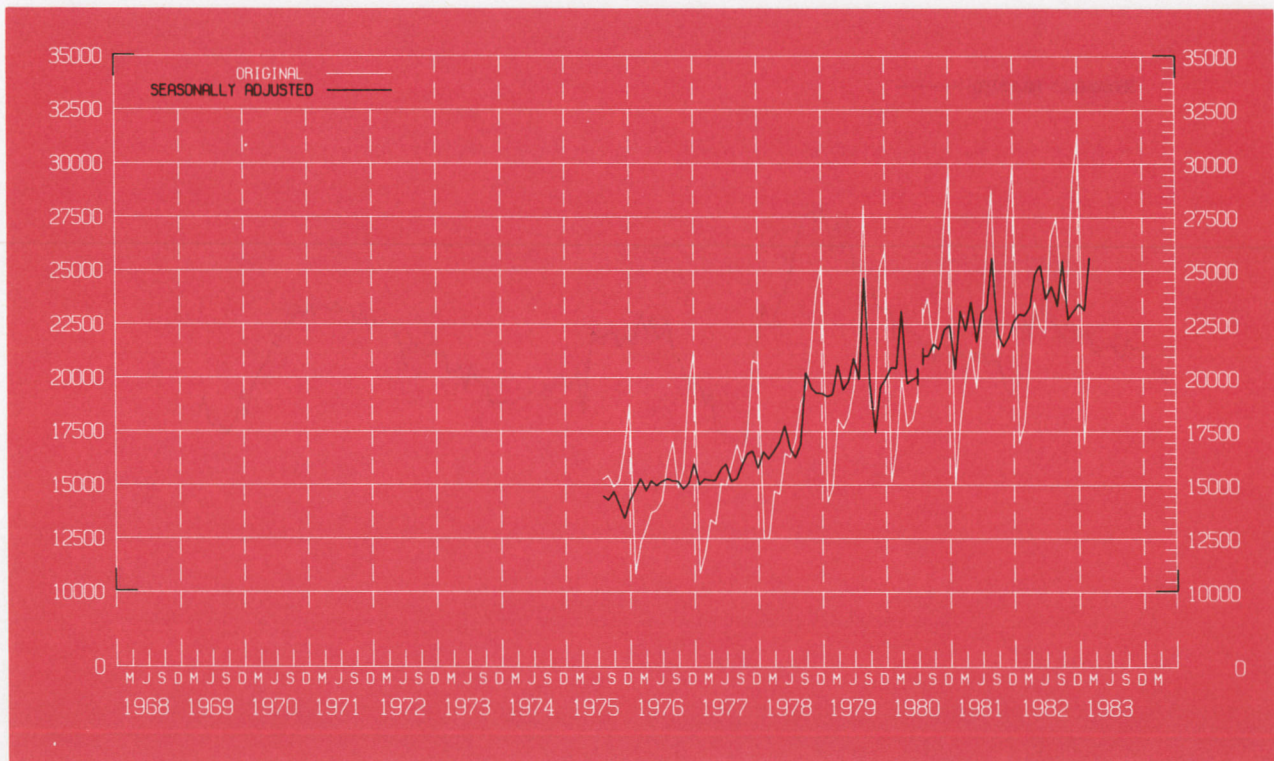
1975							7350	7652	7475	7198	7066	7563
1976	7616	8311	7813	8220	7993	8248	8364	8133	8013	7865	8456	9008
1977	8631	8162	8316	8520	9171	8636	8705	8803	9432	10012	9774	9148
1978	9723	9684	9924	10045	11243	10698	9561	10132	11889	12332	12210	12349
1979	11981	12220	12848	12667	12398	13125	13489	16338	12047	11238	12775	12788
1980	13641	13610	14309	13320	13665	13914	13767A	13860	14574	14439	14777	15326
1981	14573	15945	15363	16048	15050	16080	16015	17213	15074	15537	15570	16140
1982	16990	16533	15995	18485	18258	16787	17317	16958	18964	16010	17067	17479
1983	17475	18835										

(A) BREAK IN CONTINUITY OF SERIES DUE TO CHANGE IN COVERAGE -  
SEE EXPLANATORY NOTES.



SALES OF AUSTRALIAN WINE BY WINEMAKERS  
TOTAL WINE

'000 LITRES



YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
ORIGINAL												
1975							15242	15431	14876	15146	16582	18766
1976	10812	12293	12933	13692	13812	14254	16043	17009	14822	15735	19522	21213
1977	10856	11796	13362	13164	15063	14971	15925	16876	16042	17322	20805	20681
1978	12492	12507	14714	14550	16478	16279	17053	18789	19460	21371	23994	25242
1979	14172	14867	18084	17618	18199	19515	22043	28053	18557	18522	25109	25917
1980	15136	16733	20016	17708	18019	19227	22893A	23739	21133	22591	26786	29740
1981	15028	17977	20008	21354	19498	22125	25817	28779	20960	22254	27392	29945
1982	16933	17892	20553	23569	22417	22084	26580	27454	24081	23451	28991	31386
1983	16896	20045										

SEASONALLY ADJUSTED

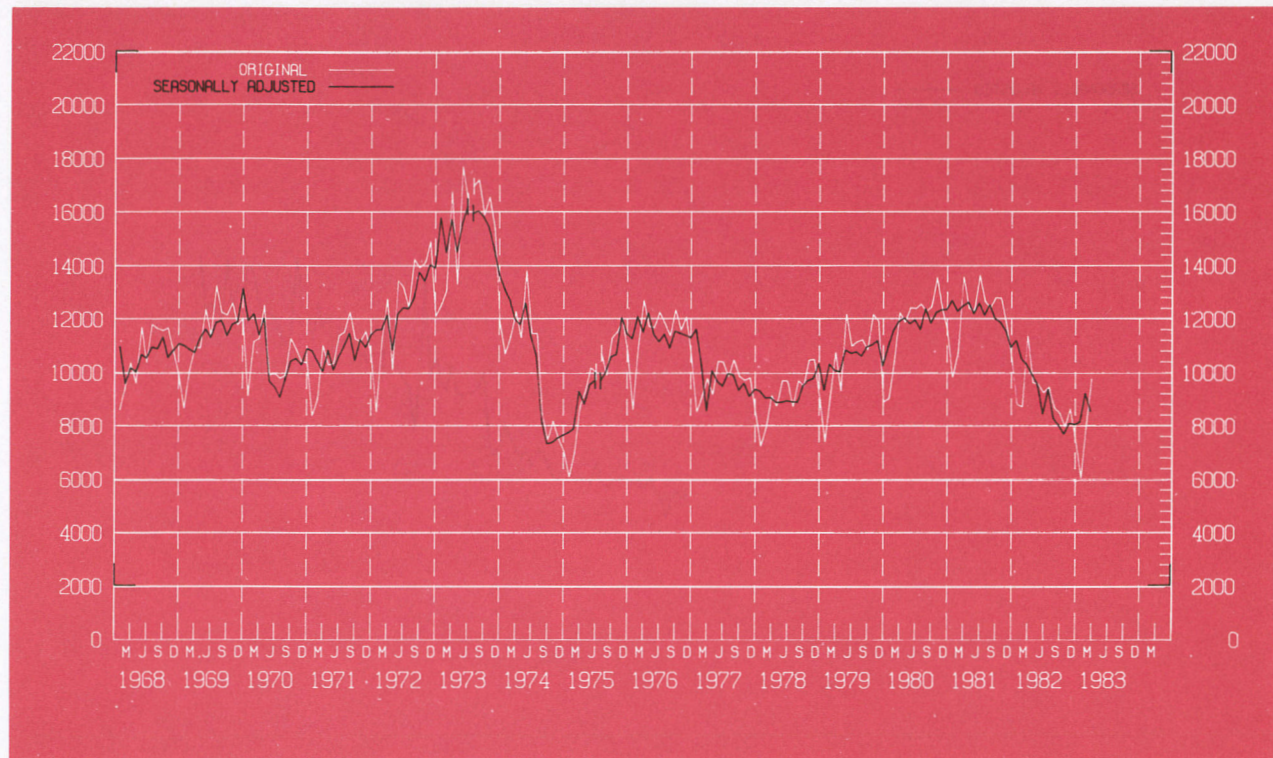
YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1975							14397	14218	14627	13974	13355	14186
1976	14731	15220	14652	15126	14889	15078	15210	15114	15105	14740	15018	15925
1977	14941	15202	15148	15133	15654	15894	15082	15229	15855	16380	16507	15710
1978	16485	16132	16498	16919	17689	16624	16186	16836	20188	19463	19220	19208
1979	19064	19157	20519	19377	19771	20861	19858	24618	19710	17368	19496	19889
1980	20431	20384	23065	19667	19858	19998	20939A	20968	21507	21258	22176	22398
1981	20333	23060	22143	23482	21619	23004	23255	25537	22008	21400	21830	22577
1982	22929	22854	23260	24795	25214	23629	24224	23303	25410	22669	23055	23411
1983	23094	25550										

(A) BREAK IN CONTINUITY OF SERIES DUE TO CHANGE IN COVERAGE -  
SEE EXPLANATORY NOTES.



## NEW PRIVATE DWELLINGS APPROVED

NUMBER



YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
ORIGINAL												
1968	8618	9466	10369	9597	11701	10381	11799	11639	11568	11666	10813	9907
1969	8665	10045	10957	10916	12373	11379	13251	12246	12151	12597	11792	12027
1970	9130	11169	11276	12534	9916	9974	9790	9910	11287	10889	10406	10380
1971	8375	9004	11033	10298	10350	11402	11533	12279	11270	11166	11550	10582
1972	8526	11208	12780	10120	13474	13196	12446	14252	13936	14117	14920	12113
1973	12501	13048	16790	13308	17725	16416	16985A	17227	15906	16569	15381	11911
1974	10710	11348	12297	11304	13851	11471	11465	8474	7468	8195	7525	7066
1975	6097	7013	8730	9285	10186	10043	10737A	9909	11305	11535	12000	10745
1976	8612	10954	12717	11733	11687	12271	11836	11381	12363	11598	12089	10585
1977	8536	9097	9785	9185	10444	10401	9856	10489	9871	9725	9815	8522
1978	7258	7962	9151	8760	9721	9693	8738	9724	9501	10485	10512	9038
1979	7421	9087	10775	9332	12214	10995	11173	11250	10867	12203	11928	8923
1980	9044	10457	12259	11887	12438	12408	12581	12306	12473	13579	12394	11569
1981	9841	10772	13621	12409	12321	13663	12674	12426	12805	12795	11856	10548
1982	8806	8719	11403	9633	9578	9255	9467	8678	8488	7977	8648	7481
1983	6073	8057	9782									

## SEASONALLY ADJUSTED

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1968	10919	9550	10137	9990	10639	10509	10921	10857	11295	10533	10808	11054
1969	10980	10839	10718	11263	11594	11277	11848	11921	11348	11780	11866	13109
1970	11908	12157	11355	12011	9629	9428	9050	9732	10405	10503	10272	10874
1971	10791	10401	10014	10810	10066	10594	10983	11450	10425	11214	10924	11385
1972	11578	11584	12134	10795	12180	12395	12356	12728	13747	13400	14010	13893
1973	15778	14466	15720	14483	15551	16193	15937A	16019	15799	15417	14595	13648
1974	13085	12660	11958	11760	12583	11327	10604	8167	7299	7347	7524	7632
1975	7718	7862	9276	8787	9532	9678	9662A	9986	10579	10664	12038	11414
1976	11242	12078	11482	12211	11401	11130	11412	10889	11516	11438	11355	11270
1977	11604	10273	8546	10048	9635	9469	9925	9885	9311	9582	9079	9350
1978	9282	9016	9042	8849	8859	8920	8870	8860	9484	9692	9758	10310
1979	9314	10304	10049	9999	10816	10701	10749	10594	10937	11034	11171	10224
1980	10953	11556	11901	12022	11798	11946	11577	12371	11820	12227	12332	12341
1981	12667	12269	12467	12611	12175	12581	12119	12506	11994	11847	11559	10913
1982	11178	10475	10264	9887	9513	8406	9352	8235	7994	7664	8067	8017
1983	8117	9194	8519									

(A) BREAK IN CONTINUITY OF SERIES DUE TO CHANGE IN DEFINITION - SEE EXPLANATORY NOTES.



## VALUE OF TOTAL BUILDING APPROVED

\$ MILLION



YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
ORIGINAL												
1968	165.1	165.2	182.4	175.0	223.4	202.6	198.7	203.3	187.2	193.8	179.0	180.4
1969	162.3	193.1	207.6	225.5	233.1	245.6	249.8	215.0	238.8	251.2	226.1	264.0
1970	224.3	214.3	259.1	273.7	239.1	279.8	256.1	208.7	253.1	276.0	253.0	233.1
1971	223.4	228.3	260.7	246.2	260.3	255.6	254.0	303.6	290.0	266.9	284.7	246.8
1972	189.9	238.9	280.9	232.5	332.0	341.9	361.1	302.5	299.8	373.9	322.1	289.2
1973	287.4	344.6	450.1	340.3	399.3	456.5	447.8	434.1	386.5	462.0	445.3	346.7
1974	339.0	376.9	380.8	354.4	421.9	417.7	426.3	304.9	276.6	344.2	325.1	302.1
1975	263.2	257.1	324.2	398.6	426.6	484.6	461.1A	359.6	529.5	402.1	405.5	415.8
1976	343.2	396.2	490.5	488.4	554.0	553.7	499.5	445.9	553.4	501.7	543.5	522.4
1977	405.7	450.8	510.0	472.5	563.5	533.0	502.1	526.2	509.8	542.3	554.2	493.0
1978	407.2	434.9	500.2	518.9	562.3	585.5	468.6	573.1	522.8	582.5	637.3	460.1
1979	439.1	560.8	582.4	507.2	667.5	651.7	606.8	611.5	625.9	620.0	848.3	559.3
1980	568.5	656.8	701.0	659.0	730.4	771.1	802.9	762.4	767.3	837.7	770.8	763.7
1981	625.2	714.1	875.6	828.2	933.8	970.0	959.4	873.7	1267.3	915.1	795.9	977.8
1982	717.3	744.2	970.1	766.2	877.5	943.7	861.0	792.2	725.5	722.3	753.9	740.2
1983	570.8	829.1	809.6									

## SEASONALLY ADJUSTED

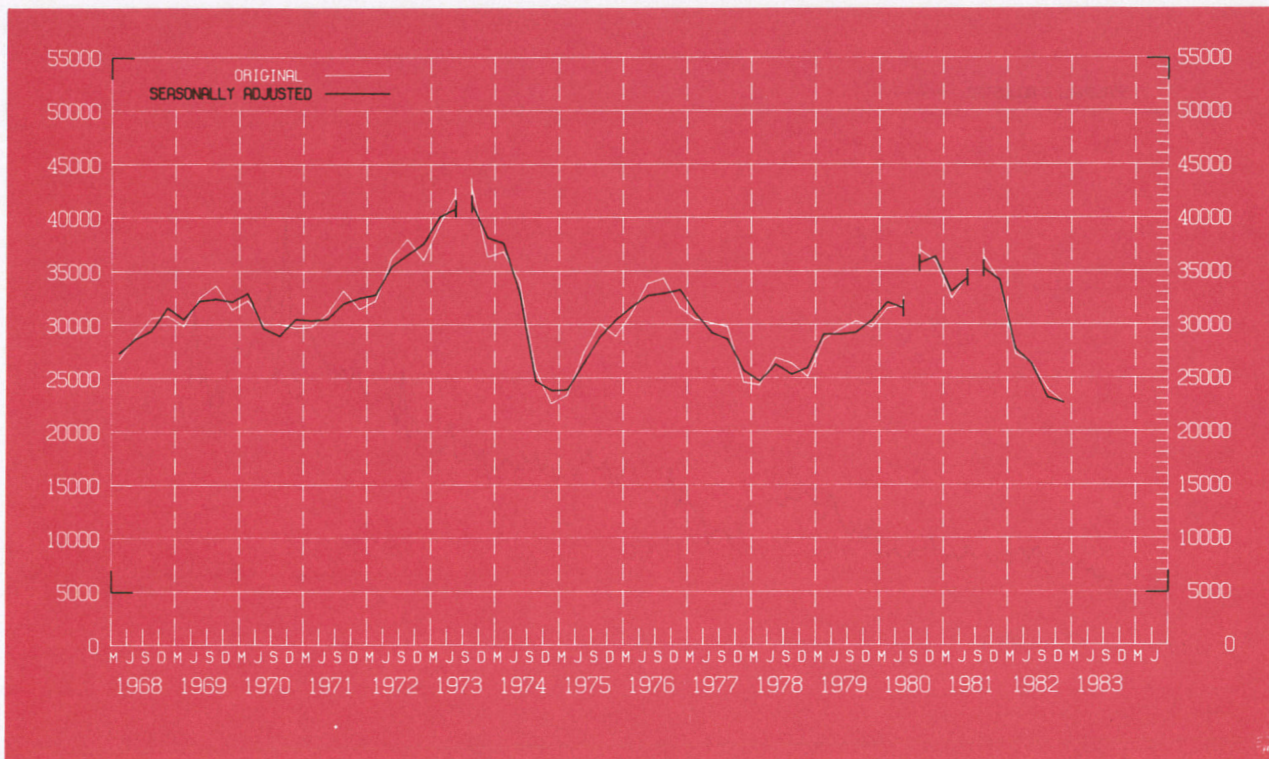
YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1968	186.3	177.2	183.9	182.3	199.1	191.4	185.2	204.0	182.2	175.2	185.8	195.7
1969	186.8	216.2	206.3	239.4	215.6	218.8	229.9	229.6	225.2	228.1	241.8	276.6
1970	270.8	237.5	277.4	260.0	231.5	238.0	236.4	222.5	242.0	260.5	254.5	243.9
1971	285.9	252.6	239.8	260.5	248.7	218.7	242.8	311.4	276.9	264.6	272.8	259.2
1972	242.7	251.5	276.7	251.6	292.2	292.2	356.6	301.8	302.4	348.4	309.2	329.6
1973	341.3	383.6	434.6	367.9	350.7	411.1	421.6	438.8	404.9	414.5	424.6	391.1
1974	404.9	420.3	386.2	366.5	372.8	390.2	389.1	320.0	274.9	308.8	323.0	325.6
1975	319.7	287.2	365.4	374.0	391.2	429.9	421.6A	392.7	504.7	365.5	413.3	434.3
1976	435.5	439.5	453.4	511.1	525.9	477.0	479.7	455.3	530.0	501.9	499.6	547.1
1977	533.1	505.1	470.7	520.8	510.3	460.1	505.9	516.5	488.4	539.5	510.9	533.1
1978	508.7	491.7	525.7	528.6	491.6	510.6	469.0	557.8	524.9	556.2	582.0	518.5
1979	529.0	639.7	563.4	547.7	581.2	603.7	582.4	595.7	648.8	574.5	773.3	621.4
1980	682.0	722.1	700.2	689.2	668.1	707.9	747.6	798.7	724.1	784.5	762.1	783.3
1981	785.1	817.7	829.2	868.6	899.2	855.0	904.0	897.3	1207.6	894.4	742.9	1003.0
1982	942.4	851.4	884.6	811.1	837.2	839.3	844.1	772.6	689.0	741.3	672.3	767.1
1983	740.5	948.2	735.3									

(A) BREAK IN CONTINUITY OF SERIES DUE TO CHANGE IN DEFINITION - SEE EXPLANATORY NOTES.



## NEW PRIVATE DWELLING COMMENCED

NUMBER



YEAR	MAR. QTR	JUN. QTR	SEP. QTR	DEC. QTR
ORIGINAL				
1968	26784	28879	30620	30793
1969	29835	32518	33641	31371
1970	32214	29973	30034	29658
1971	29811	31055	33166	31430
1972	32213	36249	37998	36028
1973	39326	42033	42946A	36342
1974	36836	34010	25773	22599
1975	23395	27336	30058	28841
1976	31039	33828	34313	31564
1977	30442	30110	29765	24575
1978	24289	26867	26343	25109
1979	28607	29517	30307	29700
1980	31502	31784	36950B	35910
1981	32430	34510	36340B	33960
1982	27180	26370	23910	22620

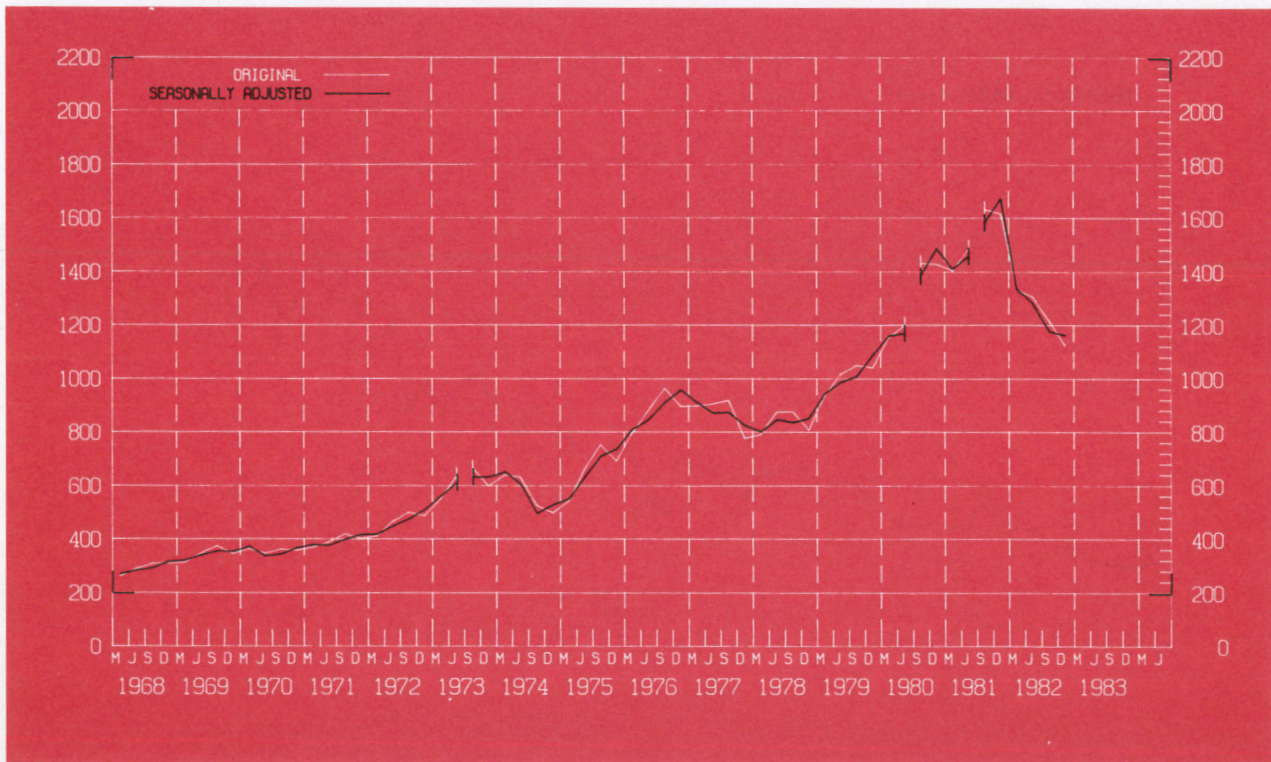
## SEASONALLY ADJUSTED

YEAR	MAR. QTR	JUN. QTR	SEP. QTR	DEC. QTR
1968	27357	28679	29445	31592
1969	30491	32250	32431	32154
1970	32943	29650	28957	30543
1971	30428	30584	32014	32550
1972	32858	35522	36607	37622
1973	40115	40931	41349A	38164
1974	37637	32978	24758	23840
1975	23924	26440	28868	30463
1976	31722	32764	32944	33289
1977	31052	29281	28638	25737
1978	24741	26334	25374	26030
1979	29145	29138	29302	30426
1980	32132	31575	35825B	36429
1981	33124	34424	35335B	34218
1982	27787	26384	23233	22715

- (A) BREAK IN CONTINUITY OF SERIES DUE TO CHANGE IN DEFINITION -  
SEE EXPLANATORY NOTES.
- (B) BREAK IN CONTINUITY OF SERIES DUE TO CHANGE IN METHOD OF COLLECTION -  
SEE EXPLANATORY NOTES.



VALUE OF TOTAL NEW DWELLINGS COMMENCED  
\$ MILLION



YEAR	MAR. QTR	JUN. QTR	SEP. QTR	DEC. QTR
		ORIGINAL		
1968	262.0	290.1	309.3	310.0
1969	312.6	348.1	373.7	346.1
1970	363.6	346.5	362.5	358.4
1971	370.4	389.2	418.5	402.7
1972	410.6	466.3	500.4	487.3
1973	550.9	637.4	665.4A	598.3
1974	639.7	630.9	525.8	497.9
1975	542.4	661.2	753.1	691.7
1976	797.6	881.9	963.6	897.3
1977	898.1	906.0	919.4	777.3
1978	791.9	876.4	875.7	807.2
1979	937.2	1018.3	1049.8	1041.1
1980	1153.8	1199.9	1430.8B	1428.4
1981	1403.7	1489.3	1631.5B	1615.1
1982	1331.5	1304.5	1212.7	1124.6

## SEASONALLY ADJUSTED

1968	271.5	286.1	294.5	319.4
1969	323.6	342.5	357.6	356.3
1970	376.0	340.1	347.1	371.1
1971	381.8	380.0	401.5	420.0
1972	422.3	452.9	478.9	514.0
1973	565.0	616.1	635.6A	636.3
1974	655.5	608.6	500.1	533.2
1975	555.1	637.2	715.3	742.3
1976	815.3	850.8	915.5	962.4
1977	915.5	875.6	877.7	828.9
1978	804.9	850.6	839.8	854.8
1979	949.2	992.2	1013.7	1093.4
1980	1165.0	1174.5	1387.8B	1491.0
1981	1413.5	1463.4	1587.9B	1678.0
1982	1338.7	1286.1	1179.9	1165.7

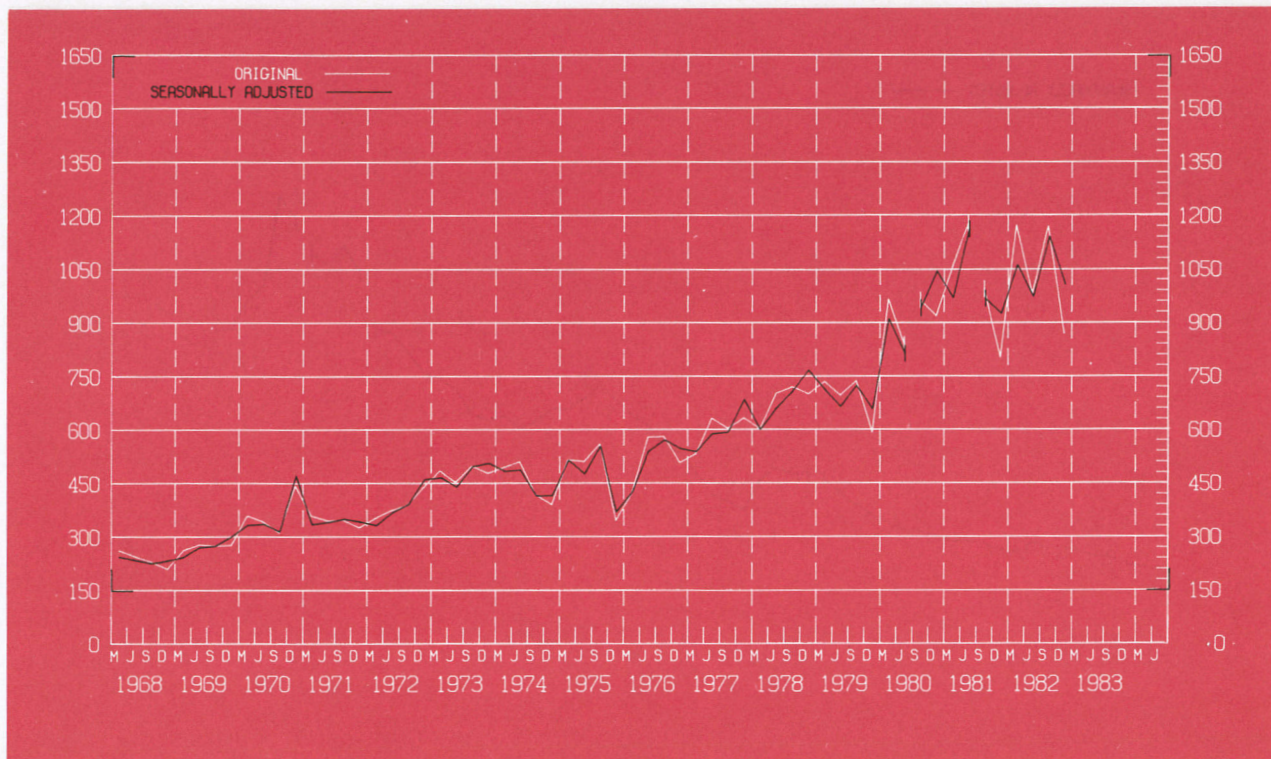
(A) BREAK IN CONTINUITY OF SERIES DUE TO CHANGE IN DEFINITION - SEE EXPLANATORY NOTES.

(B) BREAK IN CONTINUITY OF SERIES DUE TO CHANGE IN METHOD OF COLLECTION - SEE EXPLANATORY NOTES.



## VALUE OF OTHER BUILDING COMMENCED

\$ MILLION



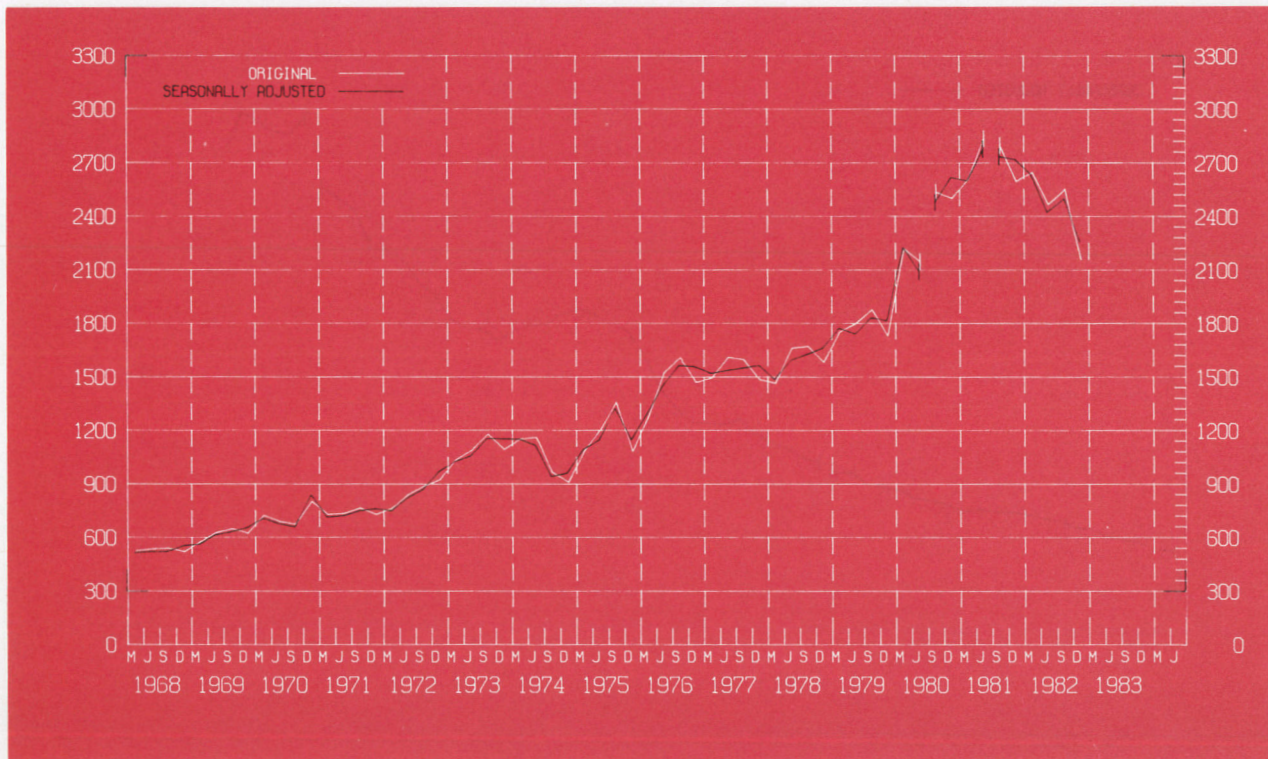
YEAR	MAR. QTR	JUN. QTR	SEP. QTR	DEC. QTR
ORIGINAL				
1968	260.8	244.1	228.7	208.6
1969	262.6	278.5	274.7	276.5
1970	358.7	342.0	311.6	443.4
1971	358.2	345.2	346.4	325.8
1972	352.2	374.1	389.5	438.7
1973	485.4	453.2	498.3	478.4
1974	494.9	510.7	418.0	389.7
1975	515.9	510.4	560.4	345.0
1976	422.3	580.1	580.9	507.8
1977	532.2	632.4	603.8	632.7
1978	602.1	702.8	721.0	700.8
1979	734.7	696.4	737.4	591.5
1980	965.8	837.3	962.3A	919.1
1981	1056.2	1177.7	993.4A	802.5
1982	1173.1	980.2	1170.6	868.4
SEASONALLY ADJUSTED				
1968	244.5	235.7	226.4	234.1
1969	244.6	271.7	276.2	302.2
1970	334.2	337.4	315.8	473.3
1971	336.4	342.4	351.4	343.5
1972	334.1	370.5	392.8	462.6
1973	468.0	441.6	499.7	508.6
1974	485.1	488.7	416.3	416.9
1975	516.8	478.3	556.7	370.7
1976	427.5	540.7	573.2	548.0
1977	539.5	590.2	594.4	686.2
1978	602.4	662.5	709.2	768.9
1979	715.8	666.4	725.3	659.6
1980	912.5	815.5	942.8A	1046.6
1981	970.5	1164.5	969.2A	926.2
1982	1063.5	973.9	1143.9	1009.1

(A) BREAK IN CONTINUITY OF SERIES DUE TO CHANGE IN METHOD OF COLLECTION -  
SEE EXPLANATORY NOTES.



## VALUE OF TOTAL BUILDING COMMENCED

\$ MILLION



YEAR	MAR. QTR	JUN. QTR	SEP. QTR	DEC. QTR
ORIGINAL				
1968	522.9	534.2	538.0	518.6
1969	575.2	626.6	648.3	622.6
1970	722.3	688.5	674.1	801.8
1971	728.6	734.4	764.9	728.5
1972	762.8	840.4	889.8	926.0
1973	1036.4	1090.6	1178.3	1093.9
1974	1152.4	1161.2	964.2	909.7
1975	1085.6	1203.6	1357.1	1081.0
1976	1276.3	1523.8	1609.3	1470.3
1977	1496.1	1608.9	1596.0	1483.0
1978	1464.6	1661.5	1672.9	1582.1
1979	1753.2	1800.0	1876.2	1729.8
1980	2218.2	2148.7	2534.9A	2500.0
1981	2606.5	2835.2	2796.4A	2596.8
1982	2645.3	2465.6	2553.6	2158.1

## SEASONALLY ADJUSTED

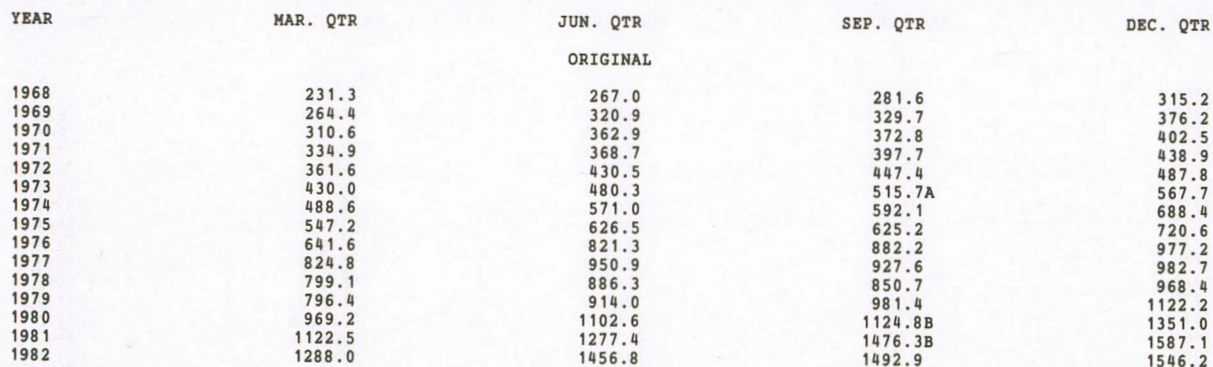
1968	515.9	522.4	521.4	555.8
1969	564.7	615.9	633.8	659.2
1970	708.9	679.5	661.5	842.9
1971	716.3	724.6	752.6	763.6
1972	752.9	825.3	874.8	973.7
1973	1029.4	1059.9	1158.3	1155.3
1974	1153.2	1118.6	944.4	964.9
1975	1095.9	1149.7	1326.3	1149.0
1976	1294.2	1454.8	1566.9	1560.4
1977	1522.5	1538.4	1553.1	1567.8
1978	1488.4	1597.8	1629.3	1664.8
1979	1774.5	1741.0	1832.4	1815.3
1980	2227.9	2093.2	2480.1A	2619.6
1981	2601.6	2778.4	2736.0A	2719.7
1982	2632.8	2421.8	2499.5	2259.7

(A) BREAK IN CONTINUITY OF SERIES DUE TO CHANGE IN METHOD OF COLLECTION - SEE (A) SEE EXPLANATORY NOTES.

REFERENCE TO NUMBER OF MONTHS OF DATA BEING USED TO ESTIMATE THE TREND (B) SEASON PROGRAMMED BY



## \$ MILLION

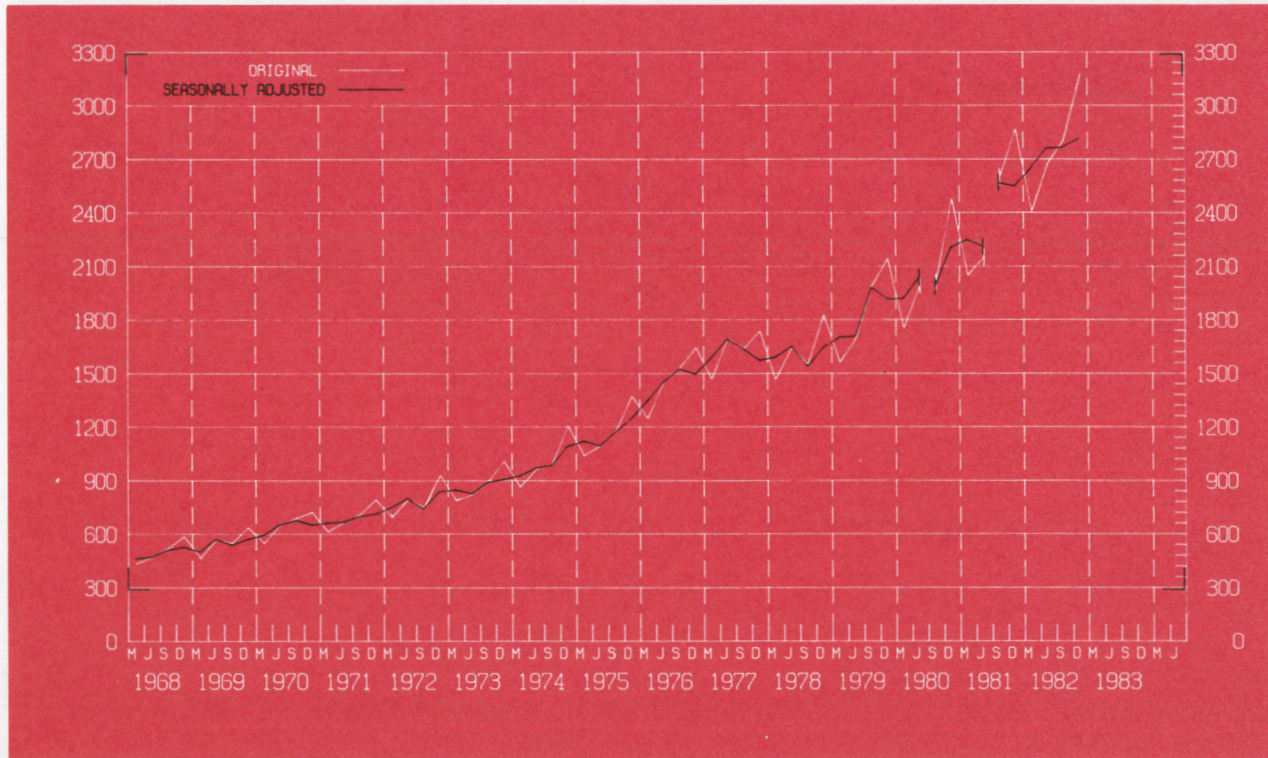


1968	258.5	265.4	279.3	288.0
1969	297.0	319.6	325.7	343.6
1970	349.4	362.2	367.1	368.1
1971	376.6	368.3	391.1	402.2
1972	405.6	430.2	440.1	447.4
1973	482.2	478.7	508.3A	521.3
1974	547.8	566.9	585.4	632.4
1975	613.8	619.3	620.9	661.5
1976	719.2	810.9	878.7	895.6
1977	923.4	939.7	926.6	897.8
1978	892.9	879.5	850.4	881.8
1979	888.4	911.3	982.2	1016.6
1980	1081.2	1104.6	1125.1B	1220.0
1981	1252.8	1283.3	1475.7B	1431.0
1982	1438.1	1465.1	1491.3	1393.3

(B) BREAK IN CONTINUITY OF SERIES DUE TO CHANGE IN METHOD OF COLLECTION -  
SEE EXPLANATORY NOTES.



VALUE OF TOTAL BUILDING COMPLETED  
\$ MILLION



YEAR	MAR. QTR	JUN. QTR	SEP. QTR	DEC. QTR
		ORIGINAL		
1968	433.6	469.0	518.3	586.3
1969	465.7	566.4	548.5	636.1
1970	549.3	648.5	689.1	723.5
1971	612.8	665.6	709.3	792.4
1972	694.0	795.3	748.4	932.2
1973	786.8	822.9	895.5	1007.8
1974	863.3	964.5	991.2	1206.6
1975	1040.0	1093.1	1173.9	1372.5
1976	1248.6	1449.9	1528.0	1643.4
1977	1468.2	1694.5	1638.1	1735.1
1978	1465.6	1645.5	1549.8	1826.6
1979	1561.1	1693.5	1991.0	2141.4
1980	1753.3	1993.7	2008.4A	2479.5
1981	2048.4	2151.5	2598.0A	2869.9
1982	2405.4	2674.5	2803.1	3175.2

## SEASONALLY ADJUSTED

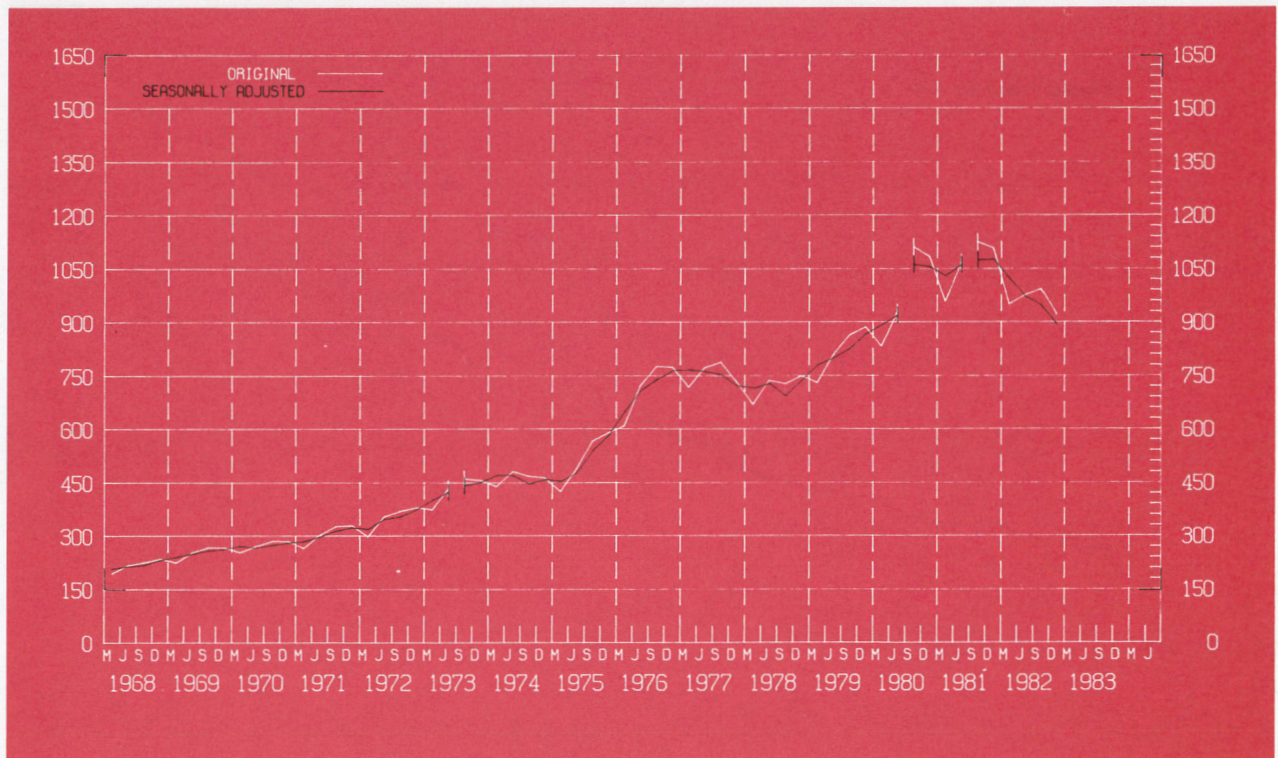
1968	467.8	478.6	517.0	534.7
1969	507.4	577.0	545.6	579.5
1970	601.2	659.6	685.3	659.1
1971	671.1	675.7	707.6	721.5
1972	757.5	808.0	749.3	847.8
1973	856.3	835.8	899.4	917.0
1974	936.7	978.9	996.2	1100.7
1975	1129.1	1102.8	1182.2	1255.3
1976	1355.9	1460.3	1534.9	1506.0
1977	1599.7	1702.3	1646.4	1584.1
1978	1601.8	1662.0	1551.6	1658.3
1979	1714.1	1719.9	1992.6	1926.8
1980	1929.5	2048.1	1998.6A	2218.7
1981	2260.4	2223.7	2578.6A	2560.2
1982	2658.2	2771.7	2776.6	2828.2

(A) BREAK IN CONTINUITY OF SERIES DUE TO CHANGE IN METHOD OF COLLECTION - SEE EXPLANATORY NOTES.



## VALUE OF WORK DONE ON NEW HOUSES

\$ MILLION



YEAR	MAR. QTR	JUN. QTR	SEP. QTR	DEC. QTR
	ORIGINAL			
1968	194.8	217.6	225.6	235.8
1969	225.2	253.1	268.0	267.7
1970	254.0	271.3	285.4	285.1
1971	265.7	302.8	327.0	329.0
1972	297.4	354.8	370.0	379.2
1973	373.4	431.9	460.7A	455.9
1974	438.8	480.4	467.3	463.6
1975	424.2	489.2	566.9	590.2
1976	609.6	721.9	776.2	773.7
1977	718.1	772.7	788.2	731.0
1978	669.1	736.8	726.8	749.4
1979	729.8	809.0	864.3	886.7
1980	831.9	926.9	1111.4B	1083.7
1981	957.5	1067.8	1124.8B	1107.7
1982	950.4	976.4	993.1	920.8

	SEASONALLY ADJUSTED			
1968	207.5	214.5	218.3	232.3
1969	240.5	249.6	258.8	263.5
1970	272.0	267.6	274.9	281.1
1971	284.9	298.2	314.7	324.6
1972	319.6	349.0	355.3	375.1
1973	401.5	424.2	442.2A	451.6
1974	471.9	471.9	447.6	460.3
1975	455.4	481.1	542.8	585.9
1976	653.5	711.9	742.3	767.6
1977	769.1	763.7	754.2	723.1
1978	716.9	730.2	695.5	738.5
1979	782.9	803.6	827.8	869.5
1980	894.4	922.8	1064.5B	1058.4
1981	1031.9	1064.6	1077.1B	1079.3
1982	1025.9	974.1	950.3	896.1

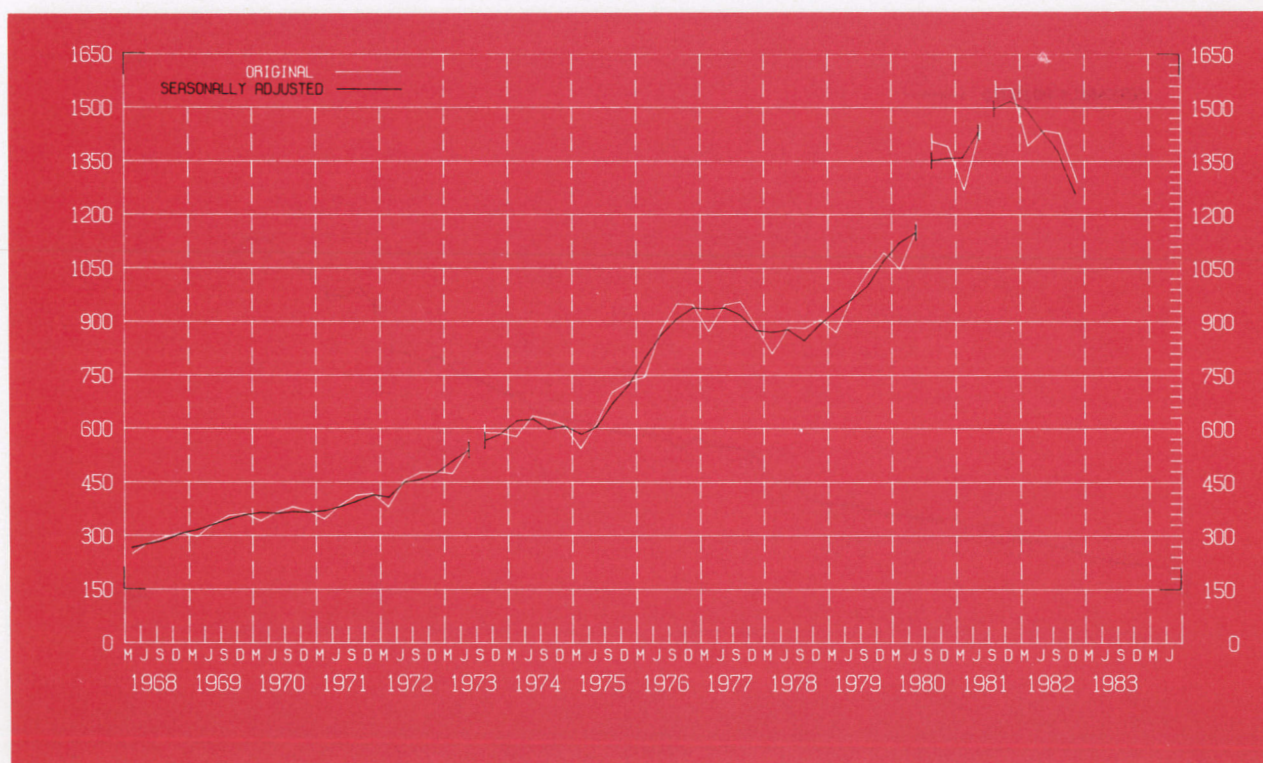
(A) BREAK IN CONTINUITY OF SERIES DUE TO CHANGE IN DEFINITION - SEE EXPLANATORY NOTES.

(B) BREAK IN CONTINUITY OF SERIES DUE TO CHANGE IN METHOD OF COLLECTION - SEE EXPLANATORY NOTES.



## VALUE OF WORK DONE ON TOTAL NEW DWELLINGS

\$ MILLION



YEAR	MAR. QTR	JUN. QTR	SEP. QTR	DEC. QTR
ORIGINAL				
1968	249.8	279.3	295.4	308.5
1969	297.3	332.5	356.2	362.0
1970	341.6	365.6	381.3	369.6
1971	346.3	386.2	413.2	418.2
1972	381.1	455.9	477.8	479.4
1973	474.0	545.8	588.8A	587.1
1974	577.5	635.0	625.2	610.8
1975	544.5	615.0	703.5	730.8
1976	746.4	874.9	950.0	947.4
1977	871.9	948.0	956.5	884.6
1978	809.7	883.5	881.2	906.3
1979	869.0	970.1	1040.8	1093.4
1980	1047.2	1156.2	1405.0B	1390.9
1981	1268.7	1434.2	1552.4B	1553.8
1982	1392.4	1435.8	1427.7	1290.5

## SEASONALLY ADJUSTED

1968	264.8	276.1	285.8	304.4
1969	316.1	329.0	343.6	357.2
1970	364.1	361.8	366.6	365.5
1971	369.7	381.6	396.6	414.2
1972	407.6	449.9	457.8	475.7
1973	507.6	537.8	563.8A	582.7
1974	619.4	625.6	598.0	606.5
1975	584.0	606.2	673.0	724.5
1976	800.6	863.7	909.0	937.9
1977	934.3	937.6	916.5	872.9
1978	867.5	875.7	845.2	891.9
1979	930.4	963.4	1000.4	1071.6
1980	1121.8	1150.4	1351.9B	1359.2
1981	1359.4	1429.0	1494.7B	1515.2
1982	1493.1	1431.6	1374.0	1257.1

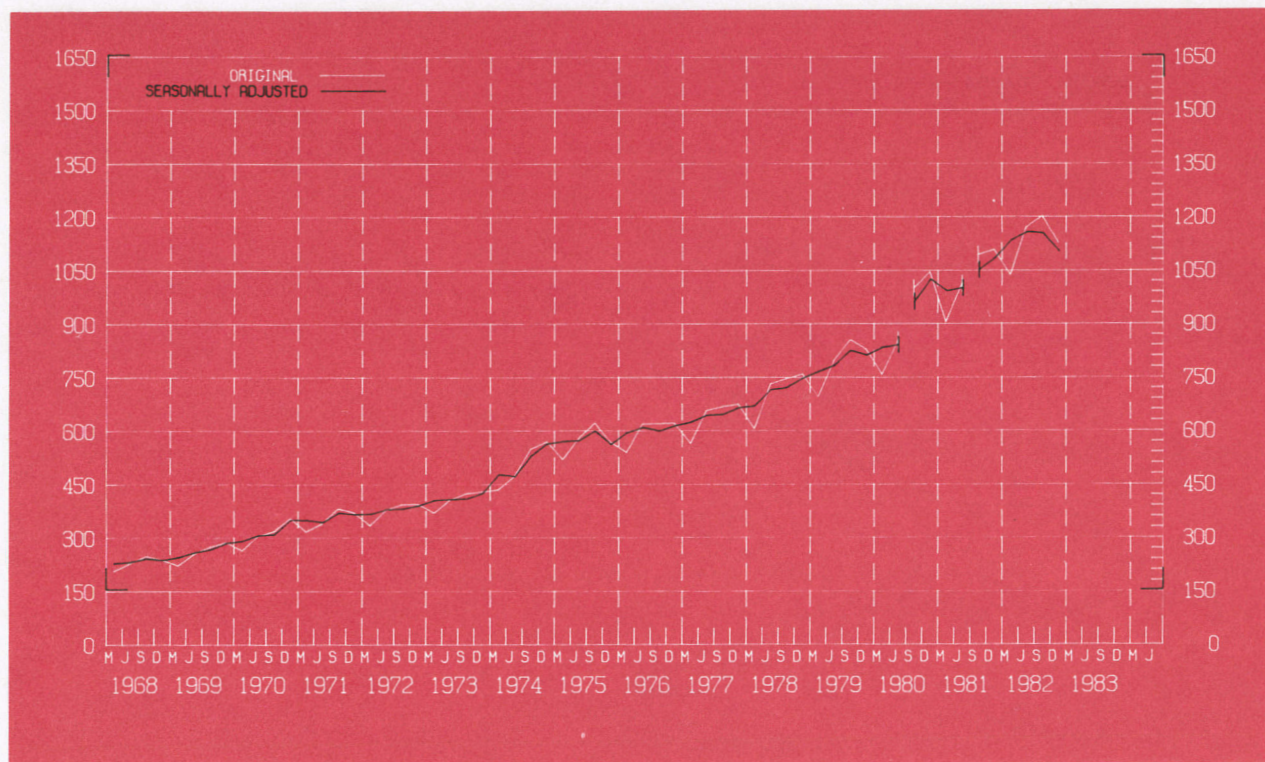
(A) BREAK IN CONTINUITY OF SERIES DUE TO CHANGE IN DEFINITION - SEE EXPLANATORY NOTES.

(B) BREAK IN CONTINUITY OF SERIES DUE TO CHANGE IN METHOD OF COLLECTION - SEE EXPLANATORY NOTES.



## VALUE OF WORK DONE ON OTHER BUILDING

\$ MILLION



YEAR	MAR. QTR	JUN. QTR	SEP. QTR	DEC. QTR
ORIGINAL				
1968	207.0	228.2	248.0	236.8
1969	221.6	255.3	274.8	287.5
1970	264.1	304.9	318.9	355.1
1971	317.6	340.7	381.6	370.3
1972	333.7	378.5	393.7	394.7
1973	370.0	407.0	425.4	429.4
1974	435.7	473.0	549.6	569.7
1975	519.6	579.7	621.6	567.9
1976	539.5	619.6	620.6	622.1
1977	564.4	657.8	668.3	675.0
1978	605.4	731.8	747.2	759.9
1979	694.6	799.4	854.7	828.6
1980	757.7	854.7	1000.5A	1046.3
1981	904.5	1014.0	1095.0A	1108.6
1982	1037.2	1171.2	1202.3	1128.1

## SEASONALLY ADJUSTED

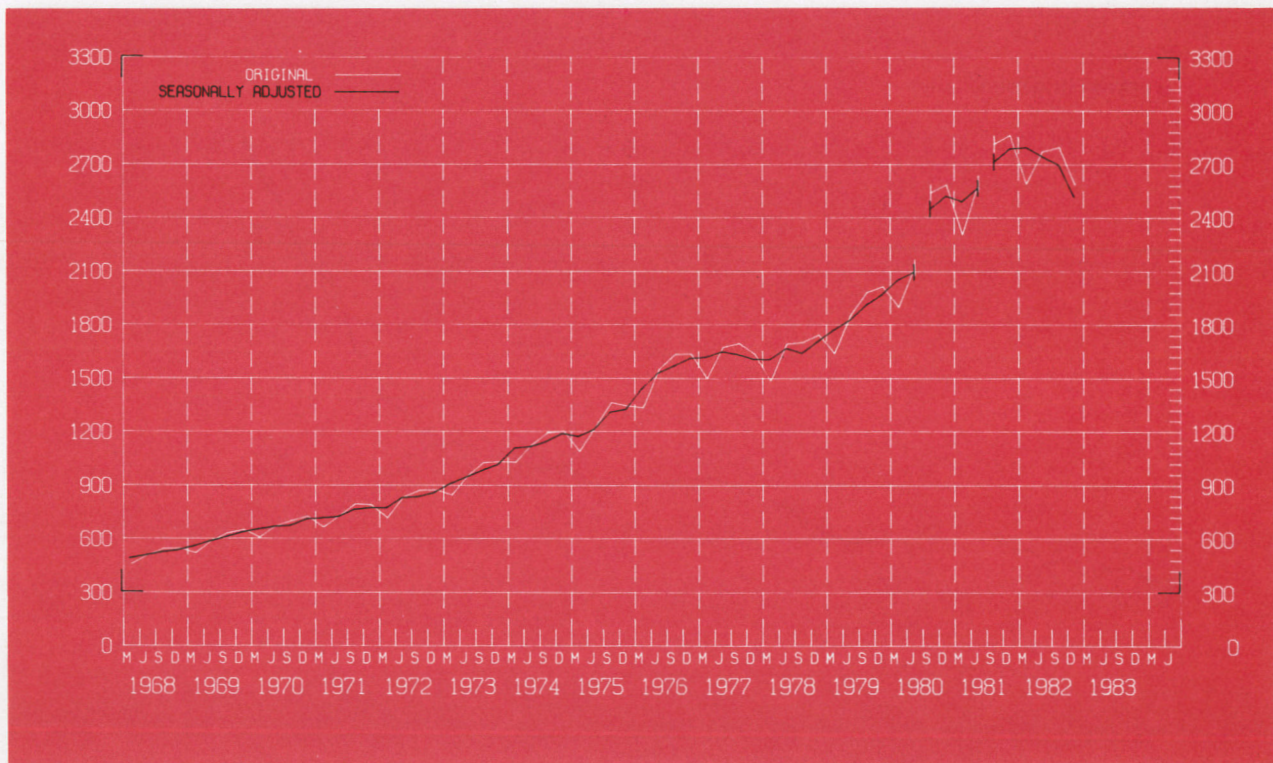
YEAR	MAR. QTR	JUN. QTR	SEP. QTR	DEC. QTR
1968	223.1	226.7	236.5	232.0
1969	240.2	253.4	262.5	280.6
1970	286.8	302.4	305.1	346.0
1971	345.0	338.0	365.1	361.1
1972	362.1	375.6	376.2	385.8
1973	401.4	403.2	406.1	420.9
1974	473.2	466.9	524.8	559.3
1975	566.3	568.6	595.3	556.9
1976	590.5	605.0	595.0	609.9
1977	619.9	639.9	642.1	660.7
1978	665.8	712.1	718.0	742.9
1979	763.1	780.0	821.2	808.6
1980	830.5	838.3	959.0A	1021.2
1981	988.8	997.9	1048.7A	1081.9
1982	1131.8	1154.9	1150.9	1100.9

(A) BREAK IN CONTINUITY OF SERIES DUE TO CHANGE IN METHOD OF COLLECTION -  
SEE EXPLANATORY NOTES.



## VALUE OF WORK DONE ON TOTAL BUILDING

\$ MILLION



YEAR	MAR. QTR	JUN. QTR	SEP. QTR	DEC. QTR
		ORIGINAL		
1968	456.8	507.5	543.3	545.4
1969	518.9	587.7	631.0	649.5
1970	605.7	670.5	700.2	724.7
1971	663.9	726.9	794.7	788.5
1972	714.8	834.4	871.5	874.1
1973	844.1	952.7	1027.2	1032.4
1974	1029.0	1126.2	1194.2	1204.8
1975	1088.3	1226.0	1363.8	1344.5
1976	1335.0	1551.6	1634.5	1637.2
1977	1498.3	1675.5	1696.9	1635.5
1978	1483.3	1694.2	1703.2	1744.5
1979	1639.6	1853.8	1982.5	2016.4
1980	1898.6	2120.5	2541.4A	2587.1
1981	2305.2	2592.6	2814.6A	2863.3
1982	2588.4	2770.1	2797.8	2588.5

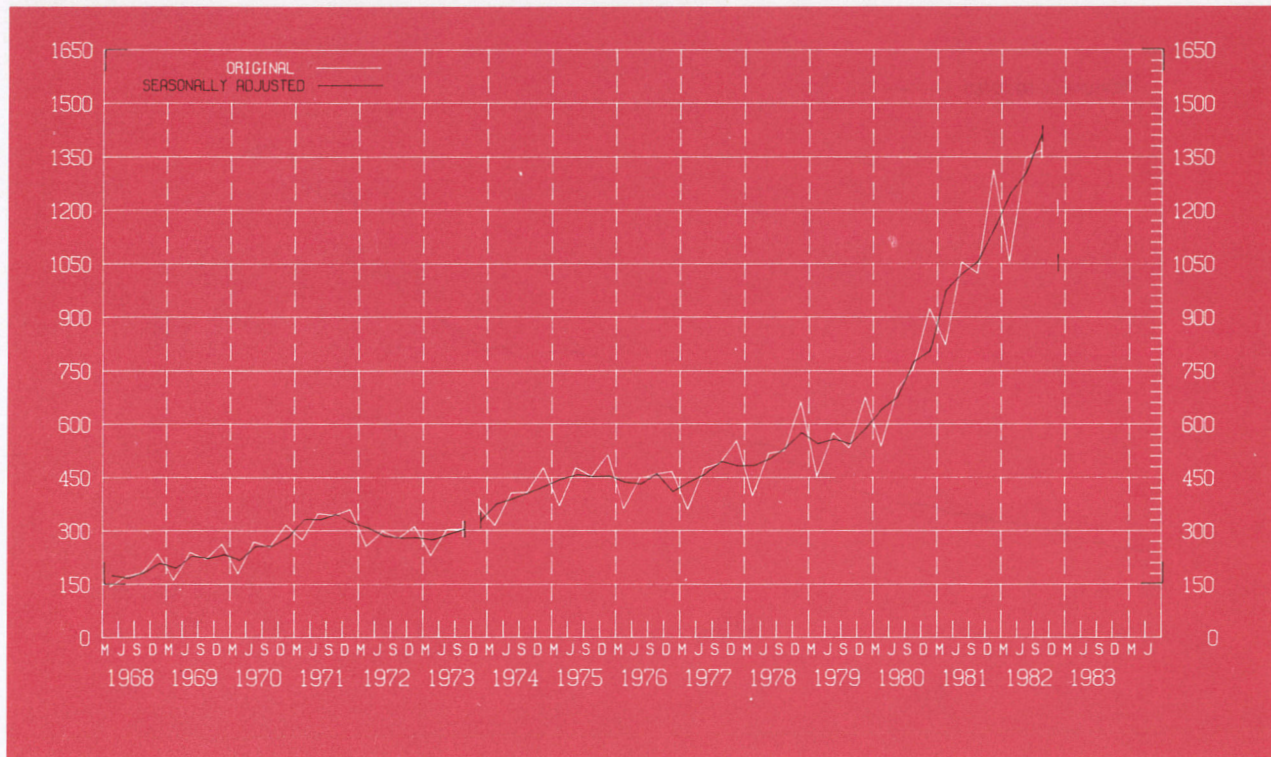
## SEASONALLY ADJUSTED

1968	487.0	504.5	522.7	534.6
1969	556.1	584.1	606.8	634.7
1970	651.3	666.4	672.5	708.3
1971	714.7	722.0	762.6	771.7
1972	769.4	828.7	834.5	858.2
1973	908.2	944.7	983.0	1015.9
1974	1107.5	1114.5	1142.3	1188.1
1975	1171.7	1209.8	1307.4	1324.3
1976	1439.8	1528.7	1568.4	1611.0
1977	1618.3	1648.1	1632.0	1605.0
1978	1604.0	1667.1	1639.5	1708.9
1979	1771.9	1827.3	1911.3	1968.8
1980	2051.3	2096.0	2449.5A	2521.7
1981	2489.4	2567.2	2713.2A	2787.6
1982	2795.1	2745.2	2696.3	2518.6

(A) BREAK IN CONTINUITY OF SERIES DUE TO CHANGE IN METHOD OF COLLECTION - SEE (A)  
SEE EXPLANATORY NOTES.



NEW FIXED CAPITAL EXPENDITURE BY PRIVATE ENTERPRISES  
NEW BUILDINGS AND STRUCTURES  
ALL INDUSTRIES  
\$ MILLION



YEAR	MAR. QTR	JUN. QTR	SEP. QTR	DEC. QTR
		ORIGINAL		
1968	143.0	172.8	181.7	234.9
1969	160.7	238.9	220.0	263.3
1970	179.1	269.2	254.6	316.9
1971	274.7	348.9	344.6	360.5
1972	256.2	298.7	278.8	311.8
1973	229.2	303.8	305.3	368.1A
1974	314.7	407.6	408.6	478.0
1975	369.9	477.1	453.1	514.2
1976	360.4	447.7	459.7	467.4
1977	359.9	476.2	491.9	554.3
1978	398.5	518.4	525.4	662.3
1979	452.6	575.5	531.9	675.6
1980	536.8	697.3	755.0	924.5
1981	822.2	1055.4	1023.8	1314.5
1982	1055.1	1346.7	1368.7	1205.4A

## SEASONALLY ADJUSTED

1968	173.1	165.8	181.5	207.8
1969	194.6	228.3	221.2	232.5
1970	216.8	256.5	256.2	280.9
1971	332.0	331.3	346.4	321.8
1972	307.6	284.3	278.9	279.7
1973	273.8	290.4	304.7	329.5A
1974	376.7	390.9	407.2	425.7
1975	445.2	458.5	452.3	454.2
1976	436.3	431.1	460.6	409.5
1977	436.5	460.0	495.2	482.4
1978	482.7	501.6	531.9	575.4
1979	544.1	557.6	541.9	586.9
1980	640.6	674.7	774.5	803.9
1981	974.5	1020.7	1054.4	1144.1
1982	1245.0	1303.8	1412.4	1049.7A

(A) BREAK IN CONTINUITY OF SERIES - SEE EXPLANATORY NOTES.



NEW FIXED CAPITAL EXPENDITURE BY PRIVATE ENTERPRISES  
OTHER NEW CAPITAL EQUIPMENT  
ALL INDUSTRIES  
\$ MILLION



YEAR	MAR. QTR	JUN. QTR	SEP. QTR	DEC. QTR
ORIGINAL				
1968	261.2	338.2	302.7	340.3
1969	279.1	353.3	339.7	381.8
1970	348.5	422.5	405.3	482.3
1971	420.8	518.2	490.6	535.6
1972	405.1	500.2	410.2	419.5
1973	341.8	433.1	439.6	681.5A
1974	599.1	683.0	662.4	719.3
1975	622.2	827.7	806.1	864.2
1976	794.8	1075.9	917.7	1157.3
1977	949.6	1163.9	1123.4	1287.2
1978	1134.7	1582.4	1486.1	1699.0
1979	1436.8	1861.5	1568.3A	1758.5
1980	1551.5	2001.1	2132.9	2284.1
1981	2037.5	2754.0	2557.9	2975.0
1982	2499.5	3270.4	2733.2	3111.6

## SEASONALLY ADJUSTED

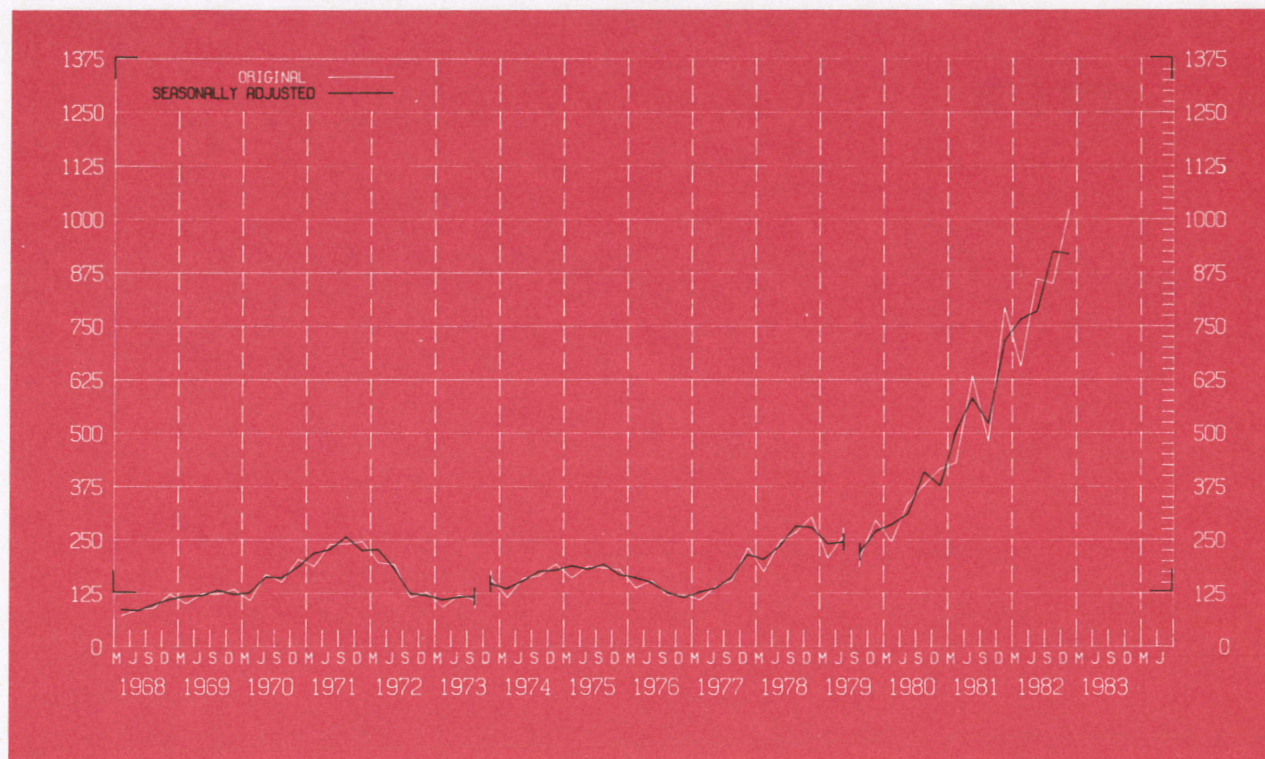
1968	297.8	314.9	310.9	316.5
1969	317.6	329.4	349.3	354.6
1970	396.5	394.5	416.3	448.2
1971	477.6	485.5	502.3	498.6
1972	458.8	470.1	418.2	391.6
1973	386.8	407.4	446.6	637.9A
1974	678.2	642.4	670.6	675.6
1975	704.9	776.8	815.0	813.6
1976	903.3	1005.3	926.6	1093.2
1977	1082.8	1081.3	1134.3	1219.2
1978	1298.6	1462.4	1500.7	1612.7
1979	1649.7	1712.5	1584.0A	1671.6
1980	1787.0	1834.5	2152.9	2175.7
1981	2350.4	2519.2	2580.2	2838.3
1982	2882.5	2991.2	2756.2	2971.0

(A) BREAK IN CONTINUITY OF SERIES - SEE EXPLANATORY NOTES.



NEW FIXED CAPITAL EXPENDITURE BY PRIVATE ENTERPRISES  
MINING

\$ MILLION



YEAR	MAR. QTR	JUN. QTR	SEP. QTR	DEC. QTR
ORIGINAL				
1968	72.2	85.6	90.7	122.1
1969	100.0	122.2	122.7	134.1
1970	107.5	168.9	150.7	203.6
1971	187.8	239.4	240.4	245.6
1972	195.6	192.0	114.7	127.7
1973	92.1	120.8	108.3	158.1A
1974	114.4	160.2	166.3	192.7
1975	160.7	187.7	183.7	179.3
1976	136.9	153.7	119.7	120.9
1977	108.5	140.5	154.2	230.4
1978	174.8	244.7	267.0	303.4
1979	206.0	258.0	206.2A	295.9
1980	244.6	334.7	378.0	415.5
1981	430.6	633.6	479.7	794.0
1982	655.4	860.4	849.3	1022.4

## SEASONALLY ADJUSTED

YEAR	MAR. QTR	JUN. QTR	SEP. QTR	DEC. QTR
1968	83.9	81.0	95.4	108.0
1969	115.2	116.4	128.7	119.4
1970	123.3	160.0	157.9	183.1
1971	214.9	224.3	253.8	221.4
1972	224.0	179.2	120.9	115.5
1973	105.7	112.6	113.7	143.3A
1974	131.2	150.3	172.6	175.1
1975	184.9	176.9	188.5	164.0
1976	156.9	145.7	122.0	110.9
1977	124.0	133.3	157.5	211.5
1978	199.2	230.6	277.4	275.3
1979	236.5	240.6	217.2A	267.2
1980	282.3	308.2	404.8	372.4
1981	500.4	577.9	518.0	711.1
1982	762.5	781.3	920.9	915.3

(A) BREAK IN CONTINUITY OF SERIES - SEE EXPLANATORY NOTES.



NEW FIXED CAPITAL EXPENDITURE BY PRIVATE ENTERPRISES  
MANUFACTURING

\$ MILLION



YEAR	MAR. QTR	JUN. QTR	SEP. QTR	DEC. QTR
		ORIGINAL		
1968	173.9	227.4	209.5	231.7
1969	182.5	238.6	223.5	257.6
1970	213.7	273.4	243.6	296.8
1971	257.2	305.9	270.6	313.5
1972	233.7	279.3	245.0	274.6
1973	224.7	280.9	253.9	351.4A
1974	279.6	337.1	353.1	425.3
1975	340.1	428.6	347.9	358.7
1976	332.3	453.2	391.0	474.0
1977	386.5	496.0	483.3	541.4
1978	496.7	582.4	565.7	659.2
1979	518.5	684.7	555.9A	677.1
1980	550.2	754.6	802.3	1012.6
1981	845.7	1055.1	1002.7	1189.6
1982	1061.9	1224.2	1067.9	1153.2

SEASONALLY ADJUSTED

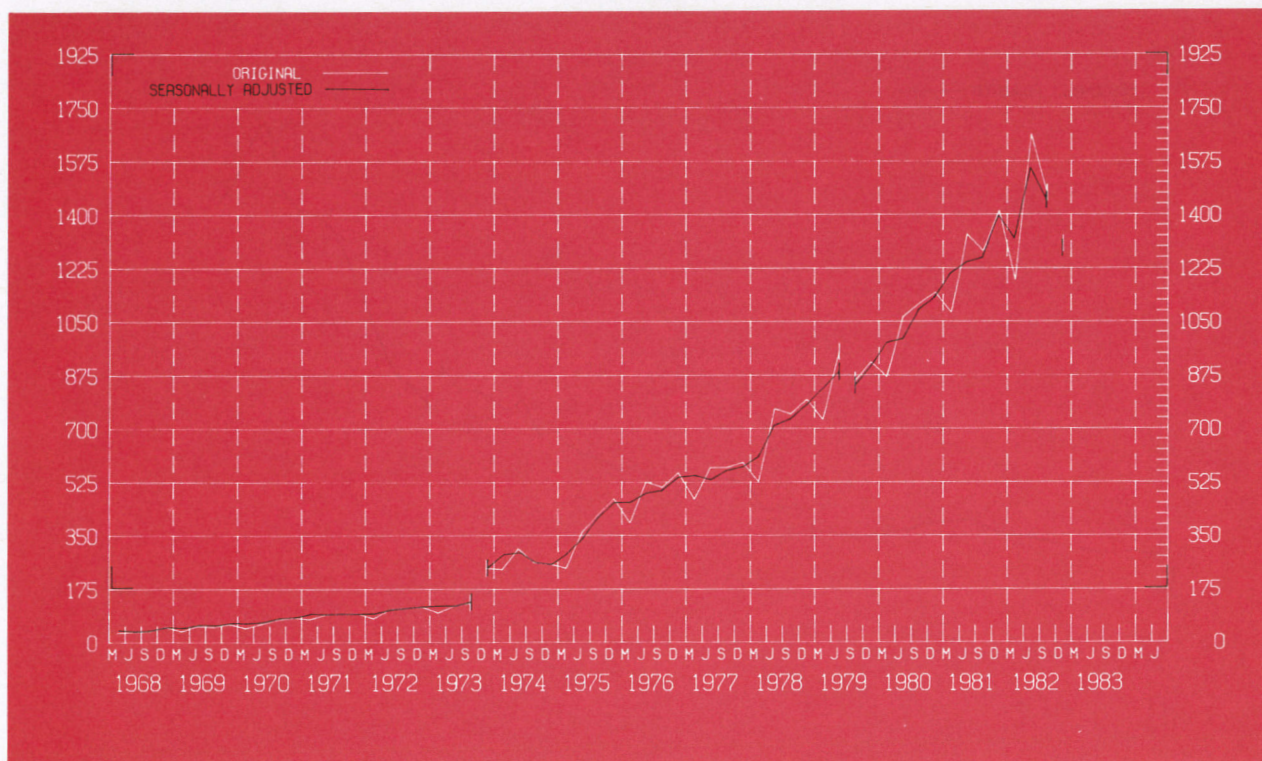
1968	202.5	210.9	216.0	212.3
1969	211.2	221.6	231.9	235.4
1970	245.7	254.4	254.8	269.9
1971	294.3	285.6	284.4	284.2
1972	266.6	261.0	258.4	248.5
1973	256.6	262.0	267.7	318.8A
1974	319.9	313.0	371.7	387.3
1975	389.8	397.3	364.4	327.8
1976	381.8	420.6	407.0	433.3
1977	445.5	462.5	499.9	493.0
1978	574.7	547.3	581.7	597.2
1979	600.7	649.9	568.6A	610.1
1980	638.7	721.0	817.5	910.7
1981	981.5	1010.9	1021.6	1067.8
1982	1233.2	1174.0	1087.9	1034.2

(A) BREAK IN CONTINUITY OF SERIES - SEE EXPLANATORY NOTES.



NEW FIXED CAPITAL EXPENDITURE BY PRIVATE ENTERPRISES  
FINANCE, PROPERTY AND BUSINESS SERVICES

\$ MILLION



YEAR	MAR. QTR	JUN. QTR	SEP. QTR	DEC. QTR
ORIGINAL				
1968	31.3	33.9	36.9	50.4
1969	36.6	54.5	50.5	60.4
1970	47.0	61.8	75.4	81.7
1971	76.3	92.1	94.0	94.5
1972	78.4	109.5	113.3	116.5
1973	97.7	120.6	130.3	243.0A
1974	239.6	306.9	261.8	256.0
1975	243.0	363.2	417.1	470.8
1976	391.3	525.9	508.2	556.5
1977	468.9	572.8	572.7	589.7
1978	526.9	765.0	747.3	795.7
1979	729.2	951.6	855.6A	918.1
1980	869.0	1066.4	1109.7	1145.1
1981	1079.0	1335.6	1279.8	1412.8
1982	1184.4	1662.8	1469.2	1303.5A

## SEASONALLY ADJUSTED

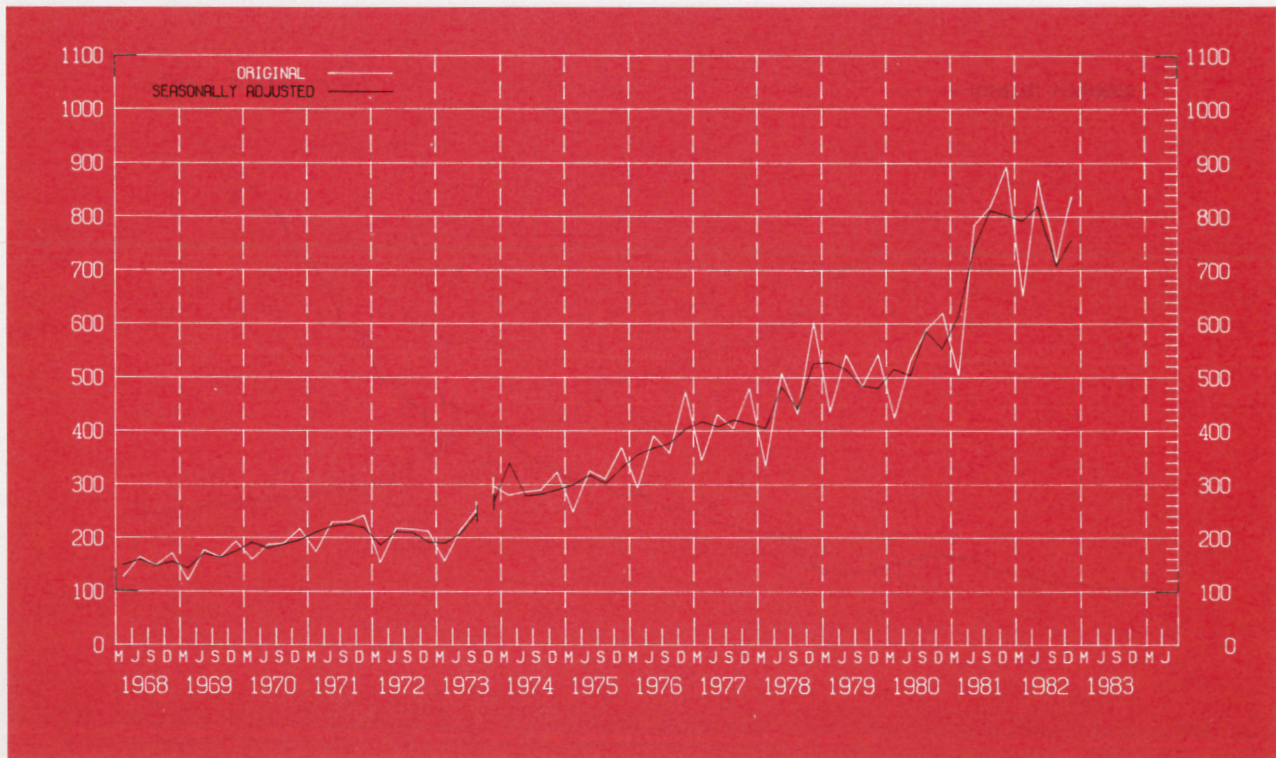
1968	36.7	32.8	36.2	46.1
1969	42.8	52.8	49.2	55.7
1970	55.0	59.6	73.0	76.2
1971	89.3	88.3	90.3	89.7
1972	91.5	103.9	108.6	111.9
1973	114.0	113.3	125.2	235.0A
1974	279.4	286.0	253.1	247.4
1975	284.0	336.4	405.4	455.3
1976	456.0	486.7	495.3	538.3
1977	544.6	529.7	559.8	572.3
1978	606.1	709.8	730.7	776.6
1979	830.3	883.8	838.0A	901.9
1980	979.1	991.8	1088.8	1129.1
1981	1207.4	1243.2	1257.9	1395.2
1982	1319.7	1551.5	1445.3	1288.3A

(A) BREAK IN CONTINUITY OF SERIES - SEE EXPLANATORY NOTES.



NEW FIXED CAPITAL EXPENDITURE BY PRIVATE ENTERPRISES  
OTHER SELECTED INDUSTRIES

\$ MILLION



YEAR	JAN.	FEB.	MAR. QTR	APR.	MAY	JUN. QTR	JUL.	AUG.	SEP. QTR	OCT.	NOV.	DEC. QTR
ORIGINAL												
1968	152.9	154.1	126.8	149.5	137.9	164.1	137.5	135.9	147.3	153.7	151.7	171.0
1969	152.1	153.1	120.7	148.8	173.1	176.9	134.4	134.3	163.0	158.5	158.5	193.0
1970	154.0	153.1	159.4	153.0	154.1	187.6	149.1	149.1	190.2	151.2	151.2	217.1
1971	158.8	154.9	174.2	154.0	152.5	229.7	152.1	139.9	230.2	154.5	149.9	242.5
1972	170.7	174.0	153.6	152.1	173.9	218.1	142.2	142.2	216.0	152.9	149.5	212.5
1973	192.7	169.7	156.5	173.3	139.9	214.6	139.7	139.7	252.4	173.4	171.1	297.1A
1974	173.6	151.6	280.2	149.5	149.9	286.4	133.9	133.9	289.8	146.5	133.9	323.3
1975	171.6	171.2	248.3	149.5	149.1	325.3	139.9	139.1	310.5	149.5	149.1	369.6
1976	169.9	162.1	294.7	149.1	149.1	390.8	149.1	149.1	358.5	149.1	149.1	473.3
1977	169.7	159.4	345.6	149.1	149.1	430.8	149.1	149.1	405.1	149.1	149.1	480.0
1978	171.1	171.1	334.8	149.1	149.1	508.7	149.1	149.1	431.5	149.1	149.1	603.0
1979	171.1	171.1	435.7	149.1	149.1	542.7	149.1	149.1	482.5	149.1	149.1	543.1
1980	171.1	171.1	424.5	149.1	149.1	532.7	149.1	149.1	589.9	149.1	149.1	620.4
1981	171.1	171.1	504.4	149.1	149.1	785.1	149.1	149.1	819.5	149.1	149.1	893.1
1982	171.1	171.1	653.0	149.1	149.1	869.7	149.1	149.1	715.5	149.1	149.1	837.9

SEASONALLY ADJUSTED

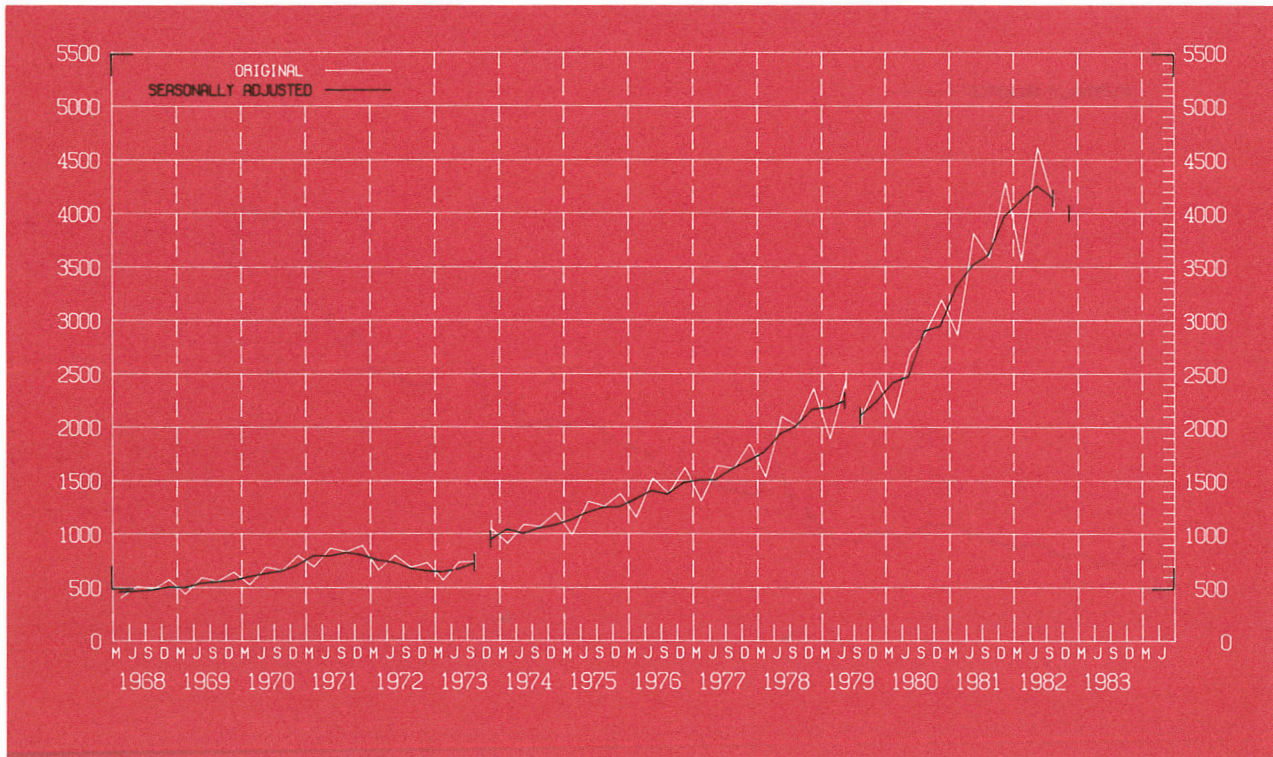
1968	149.0	159.4	147.1	155.5
1969	143.1	170.9	162.9	174.8
1970	191.5	180.8	188.7	196.5
1971	210.9	222.3	225.8	219.7
1972	186.8	211.9	210.4	192.5
1973	190.6	209.0	245.8	268.4A
1974	341.1	279.4	282.9	291.5
1975	301.2	318.6	303.2	332.8
1976	356.8	369.6	377.9	405.4
1977	418.3	408.8	421.8	414.4
1978	405.8	484.0	441.3	527.3
1979	529.2	516.4	485.6	480.9
1980	516.9	505.1	587.7	555.2
1981	614.2	742.2	813.1	803.9
1982	793.6	821.5	708.5	756.4

(A) BREAK IN CONTINUITY OF SERIES - SEE EXPLANATORY NOTES.



NEW FIXED CAPITAL EXPENDITURE BY PRIVATE ENTERPRISES  
TOTAL NEW FIXED CAPITAL EXPENDITURE

\$ MILLION



YEAR	MAR. QTR	JUN. QTR	SEP. QTR	DEC. QTR
		ORIGINAL		
1968	404.2	511.0	484.4	575.2
1969	439.8	592.2	559.7	645.1
1970	527.6	691.7	659.9	799.2
1971	695.5	867.1	835.2	896.1
1972	661.3	798.9	689.0	731.3
1973	571.0	736.9	744.9	1049.6A
1974	913.8	1090.6	1071.0	1197.3
1975	992.1	1304.8	1259.2	1378.4
1976	1155.2	1523.6	1377.4	1624.7
1977	1309.5	1640.1	1615.3	1841.5
1978	1533.2	2100.8	2011.5	2361.3
1979	1889.4	2437.0	2100.2A	2434.2
1980	2088.3	2688.4	2879.9	3193.6
1981	2859.7	3809.3	3581.7	4289.5
1982	3554.6	4617.0	4101.9	4317.0A

## SEASONALLY ADJUSTED

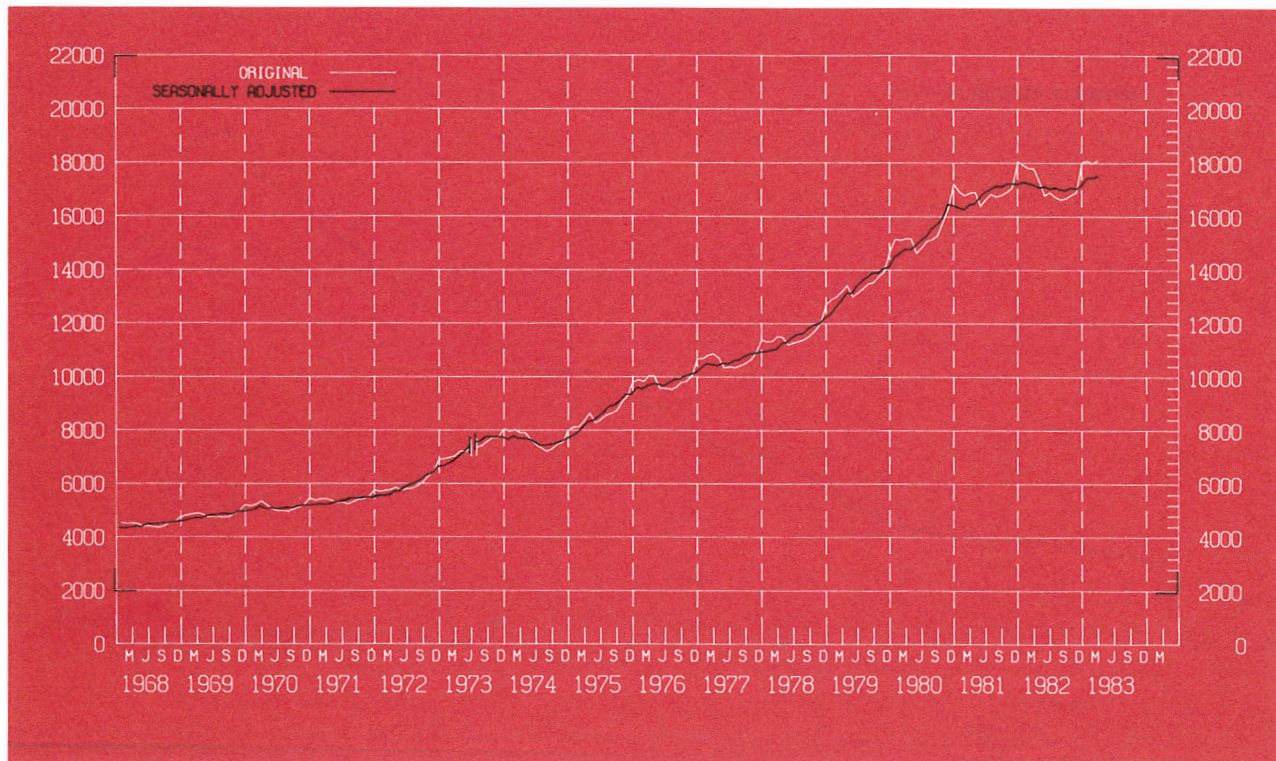
1968	471.9	482.3	491.8	522.9
1969	514.8	557.3	569.8	585.7
1970	619.3	649.1	671.5	727.5
1971	815.8	813.3	847.4	819.7
1972	773.1	750.5	696.0	672.1
1973	666.0	692.2	751.2	967.2A
1974	1064.6	1024.2	1078.5	1105.9
1975	1155.5	1222.7	1269.7	1273.8
1976	1345.9	1425.7	1389.4	1502.9
1977	1526.6	1530.7	1631.9	1704.7
1978	1786.9	1958.1	2033.5	2188.3
1979	2201.7	2266.7	2126.1A	2257.9
1980	2433.0	2496.2	2917.5	2966.1
1981	3331.9	3530.2	3630.7	3988.9
1982	4137.2	4278.3	4159.3	4017.0A

(A) BREAK IN CONTINUITY OF SERIES - SEE EXPLANATORY NOTES.



## VOLUME OF MONEY - DEFINITION M1 (A)

\$ MILLION



YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
ORIGINAL												
1968	4529	4496	4507	4488	4379	4414	4374	4359	4421	4527	4581	4752
1969	4821	4858	4885	4864	4752	4750	4746	4740	4756	4865	4989	5205
1970	5160	5234	5337	5203	5041	4984	4983	4961	5036	5112	5213	5447
1971	5368	5419	5415	5365	5273	5313	5228	5299	5397	5416	5498	5750
1972	5703	5738	5774	5848	5735	5795	5822	5920	6053	6269	6468	6899
1973	6927	6977	7039	7223	7190	7317	7357B	7432	7587	7720	7717	8050
1974	7956	8016	7899	7902	7649	7450	7324	7210	7295	7465	7549	7990
1975	8116	8133	8362	8625	8267	8389	8559	8631	8743	9059	9279	9807
1976	9890	9823	10041	10025	9573	9572	9531	9601	9785	9839	10029	10681
1977	10675	10805	10863	10707	10343	10377	10348	10423	10512	10647	10896	11378
1978	11311	11334	11509	11480	11204	11266	11328	11411	11539	11725	12011	12709
1979	12900	13012	13195	13434	13003	13146	13304	13491	13540	13759	13926	14661
1980	15149	15107	15170	15168	14613	14843	15079	15141	15284	15792	16310	17218
1981	16920	16777	16870	16911	16377	16627	16818	16726	16796	16924	17082	18063
1982	17917	17802	17784	17320	16772	16895	16724	16618	16684	16800	16896	18031
1983	18081	17981	18101									

## SEASONALLY ADJUSTED

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1968	4373	4351	4386	4422	4402	4523	4498	4530	4559	4560	4596	4620
1969	4656	4711	4763	4740	4832	4863	4874	4918	4903	4898	5005	4999
1970	5042	5084	5199	5089	5127	5097	5108	5139	5130	5200	5232	5231
1971	5247	5276	5253	5280	5363	5369	5408	5490	5492	5507	5528	5518
1972	5577	5594	5599	5758	5771	5915	6017	6076	6224	6382	6447	6691
1973	6695	6804	6905	7076	7239	7471	7604B	7637	7808	7788	7791	7797
1974	7685	7825	7739	7727	7706	7613	7481	7474	7498	7546	7627	7726
1975	7841	7952	8151	8376	8418	8584	8740	8949	8999	9171	9387	9377
1976	9636	9589	9712	9787	9758	9711	9823	9947	9973	10070	10153	10211
1977	10388	10540	10504	10463	10563	10534	10650	10681	10819	10897	10928	10989
1978	10996	11052	11085	11306	11350	11543	11640	11680	11875	11999	12048	12279
1979	12400	12667	12901	13207	13193	13458	13663	13797	13951	13935	14110	14166
1980	14541	14686	14836	14812	14987	15184	15321	15611	15765	15987	16520	16468
1981	16391	16305	16506	16554	16802	17001	17081	17213	17170	17293	17295	17283
1982	17361	17312	17245	17152	17194	17101	17137	17065	17050	17151	17098	17256
1983	17531	17506	17576									

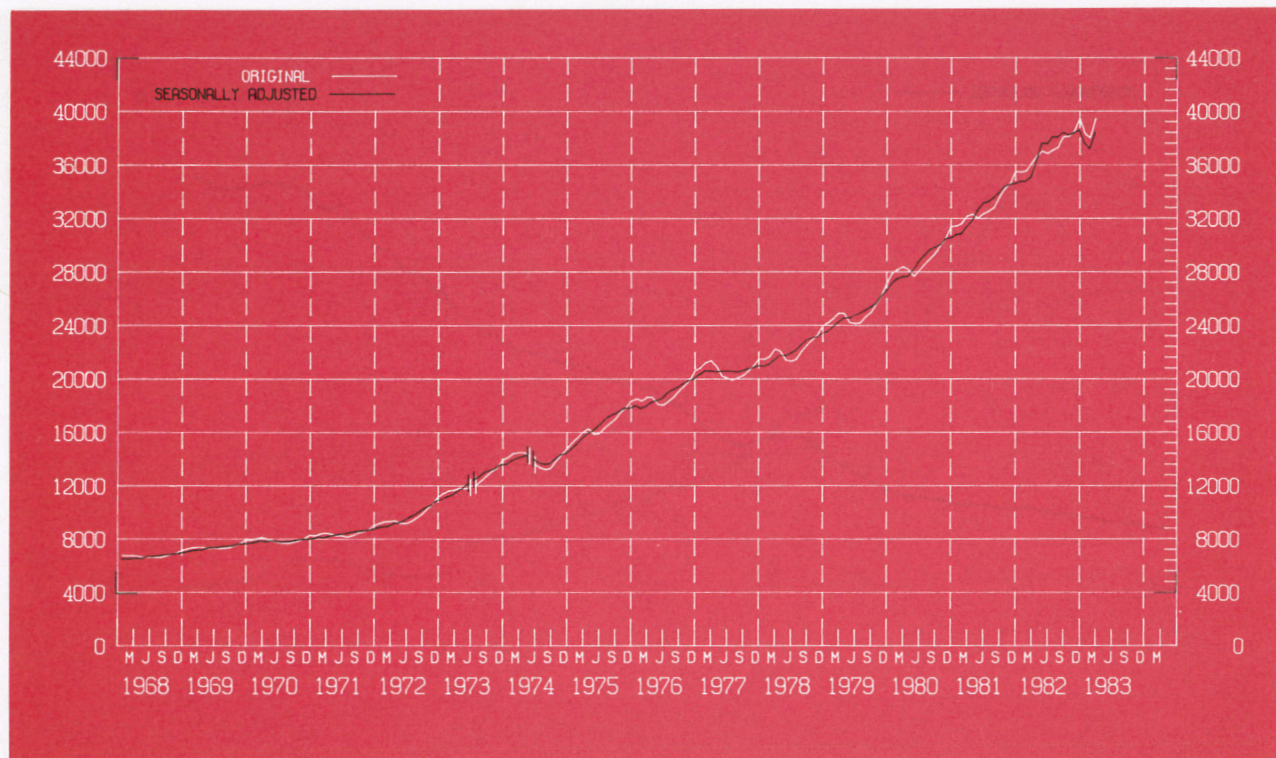
(A) SOURCE OF ORIGINAL DATA - RESERVE BANK OF AUSTRALIA.

(B) BREAK IN CONTINUITY OF SERIES DUE TO CHANGE IN DEFINITION - SEE EXPLANATORY NOTES.



## VOLUME OF MONEY - DEFINITION M2 (A)

\$ MILLION



YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
ORIGINAL												
1968	6735	6710	6722	6684	6574	6605	6593	6606	6693	6822	6922	7128
1969	7244	7311	7359	7364	7286	7292	7269	7294	7351	7495	7687	7934
1970	7903	7994	8113	8001	7851	7747	7688	7662	7756	7874	8024	8280
1971	8241	8372	8440	8385	8242	8233	8141	8251	8444	8533	8683	9022
1972	9157	9309	9317	9364	9165	9169	9313	9579	9857	10263	10615	11155
1973	11419	11642	11672	11841	11783	11873	12040B	12359	12711	13097	13311	13929
1974	14122	14424	14481	14490	14220	13567B	13319	13178	13329	13870	14311	14759
1975	15235	15613	16023	16259	15847	15901	16295	16655	16977	17474	17831	18344
1976	18497	18345	18614	18594	18081	18021	18292	18648	19093	19489	19889	20622
1977	20849	21213	21351	20923	20195	20067	19903	20078	20251	20603	20989	21477
1978	21465	21689	22222	22044	21402	21297	21453	22086	22523	22915	23298	23964
1979	24210	24538	24928	24899	24209	24124	24175	24652	24979	25608	26228	27167
1980	27946	28181	28396	28154	27657	28098	28546	28970	29378	30027	30495	31391
1981	31434	31612	32175	32311	32030	32360	32533	32820	33590	34253	34613	35507
1982	35452	35560	36116	36689	37028	36845	37095	37298	38099	38132	38535	39471
1983	38298	37991	39458									

## SEASONALLY ADJUSTED

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1968	6555	6536	6579	6607	6598	6730	6739	6805	6854	6873	6930	6979
1969	7050	7133	7211	7220	7366	7422	7423	7508	7528	7550	7696	7708
1970	7749	7810	7947	7855	7936	7879	7843	7879	7886	7985	8037	8043
1971	8081	8199	8160	8258	8362	8416	8469	8556	8612	8649	8704	8763
1972	8900	8962	9004	9220	9238	9440	9682	9867	10117	10403	10578	10906
1973	11023	11221	11360	11623	11887	12240	12507B	12727	13045	13189	13353	13617
1974	13640	13921	14072	14218	14367	14020B	13746	13621	13652	13963	14332	14420
1975	14746	15111	15527	15907	16115	16447	16811	17191	17370	17574	17841	17818
1976	18029	17793	17971	18251	18411	18535	18954	19214	19401	19680	19877	20040
1977	20358	20616	20620	20569	20593	20626	20594	20542	20647	20785	20871	20990
1978	20989	21124	21439	21774	21730	21948	22161	22562	22920	23087	23165	23441
1979	23575	23932	24271	24582	24576	24803	24931	25158	25415	25658	26231	26596
1980	27227	27512	27687	27709	28205	28838	29244	29680	29860	30062	30500	30575
1981	30810	30896	31416	31856	32634	33173	33284	33583	33943	34426	34582	34666
1982	34794	34794	35132	36408	37663	37578	38110	38106	38433	38241	38443	38635
1983	37638	37213	38431									

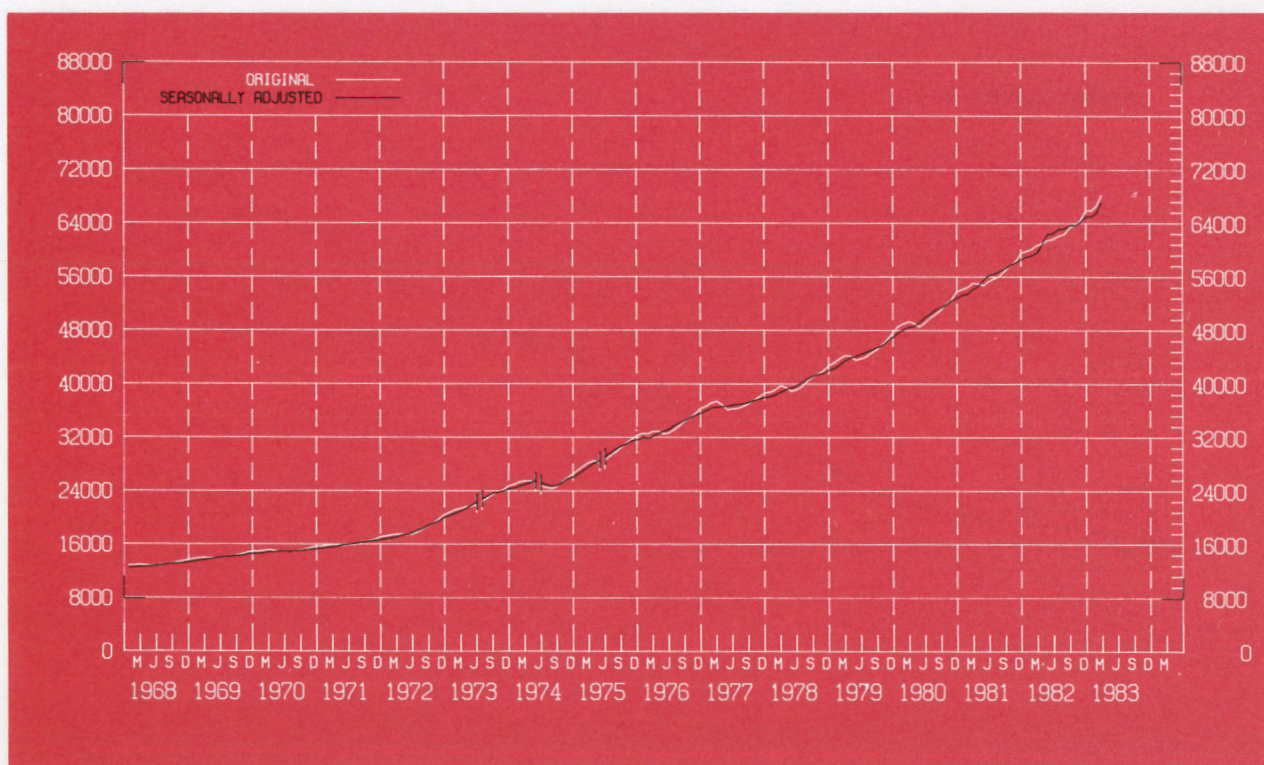
(A) SOURCE OF ORIGINAL DATA - RESERVE BANK OF AUSTRALIA

(B) BREAK IN CONTINUITY OF SERIES DUE TO CHANGE IN DEFINITION - SEE EXPLANATORY NOTES.



## VOLUME OF MONEY - DEFINITION M3 (A)

\$ MILLION



YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
ORIGINAL												
1968	12802	12801	12824	12771	12684	12805	12878	12955	13096	13272	13423	13635
1969	13757	13869	13930	13931	13883	13974	14056	14154	14267	14475	14705	14934
1970	14882	14976	15106	14991	14860	14837	14858	14884	15038	15221	15427	15698
1971	15648	15806	15909	15868	15767	15852	15860	16060	16350	16526	16729	17067
1972	17189	17378	17438	17516	17367	17508	17827	18255	18704	19281	19787	20425
1973	20800	21175	21347	21600	21659	22001	22382B	22915	23450	23911	24149	24779
1974	24998	25377	25477	25470	25242	24706B	24465	24323	24584	25351	26008	26541
1975	27153	27715	28228	28502	28184	28557B	29247	29810	30380	31149	31689	32333
1976	32604	32525	32911	32924	32467	32672	33202	33747	34449	35059	35559	36395
1977	36695	37187	37384	36868	36166	36265	36344	36669	37028	37588	38087	38659
1978	38784	39156	39726	39481	38937	39151	39593	40393	40988	41507	41960	42743
1979	43179	43711	44243	44190	43560	43778	44061	44687	45174	45920	46623	47668
1980	48628	49057	49310	49008	48509	49159	49860	50449	51068	51969	52657	53854
1981	54144	54452	55080	55012	54724	55387	55779	56129	56963	57778	58334	59558
1982	59827	60167	60738	61048	61433	61653	62115	62428	63414	63666	64351	65967
1983	65918	66547	68277									

## SEASONALLY ADJUSTED

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1968	12618	12631	12710	12770	12799	12974	13018	13123	13206	13259	13358	13449
1969	13566	13695	13817	13867	14057	14155	14205	14334	14391	14455	14634	14672
1970	14731	14797	14974	14927	15047	15021	15010	15072	15110	15252	15359	15419
1971	15491	15641	15667	15828	15990	16090	16191	16334	16458	16558	16662	16763
1972	16937	17034	17159	17460	17552	17844	18201	18513	18906	19325	19654	20130
1973	20402	20750	21063	21480	21901	22441	22860B	23261	23717	23893	24090	24408
1974	24503	24857	25089	25312	25541	25236B	24909	24746	24844	25337	25926	26139
1975	26639	27184	27751	28270	28623	29194B	29777	30330	30713	31125	31588	31730
1976	32091	31933	32273	32718	33005	33285	33876	34309	34678	35124	35441	35725
1977	36147	36510	36626	36667	36795	36934	37049	37123	37370	37655	37872	38099
1978	38236	38509	38924	39365	39512	39913	40303	40866	41336	41565	41739	42149
1979	42450	42989	43552	44052	44188	44567	44828	45193	45570	45864	46543	47027
1980	47792	48244	48555	48738	49329	50021	50567	51166	51538	51919	52596	52964
1981	53377	53575	54254	54735	55626	56322	56532	56919	57316	57869	58239	58633
1982	59022	59216	59677	60974	62387	62515	63153	63271	63754	63682	64185	65051
1983	65079	65543	67169									

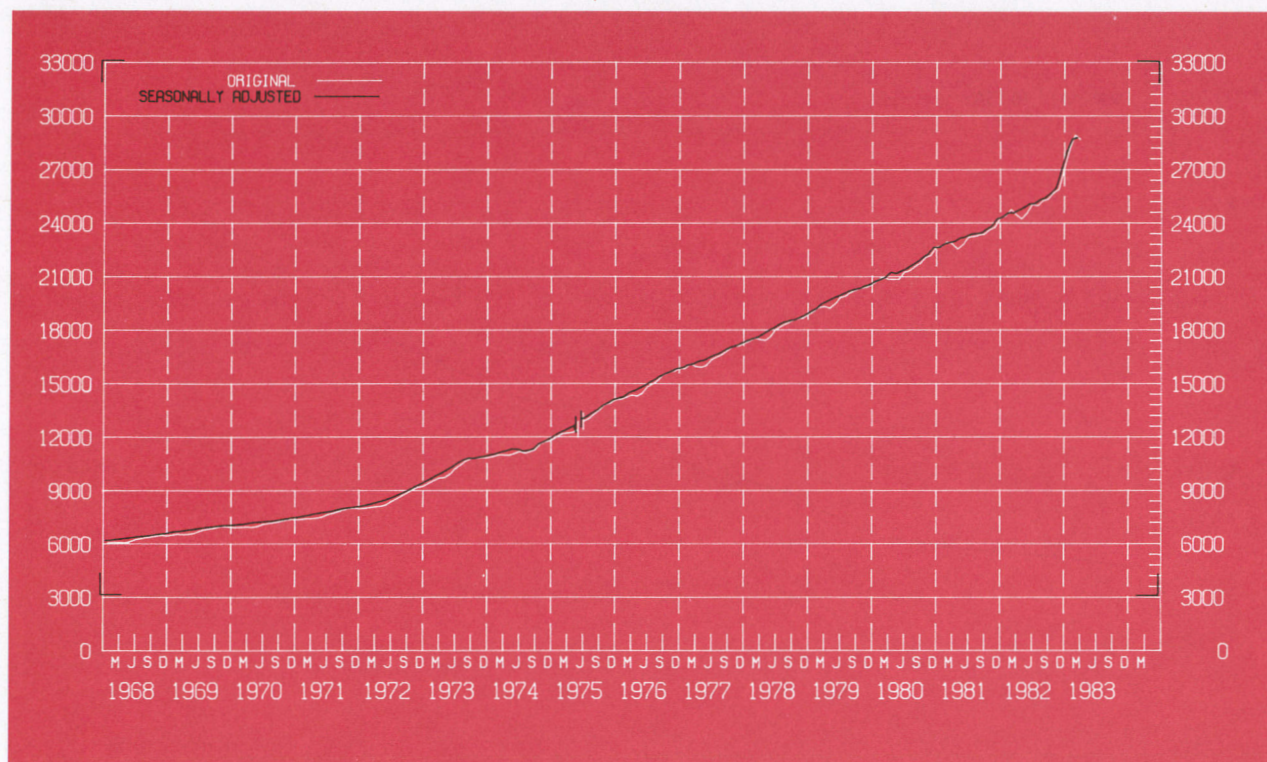
(A) SOURCE OF ORIGINAL DATA - RESERVE BANK OF AUSTRALIA

(B) BREAK IN CONTINUITY OF SERIES DUE TO CHANGE IN DEFINITION - SEE EXPLANATORY NOTES.



## SAVINGS BANKS - DEPOSITORS' BALANCES (A)

\$ MILLION



YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
ORIGINAL												
1968	6046	6071	6068	6043	6112	6222	6280	6349	6385	6442	6485	6456
1969	6498	6547	6525	6538	6583	6707	6791	6850	6900	6978	6976	6943
1970	6935	6949	6955	6944	6991	7105	7149	7205	7266	7334	7378	7363
1971	7358	7419	7427	7448	7510	7635	7708	7814	7900	7984	8009	7982
1972	7988	8056	8092	8121	8192	8391	8541	8719	8882	9063	9193	9262
1973	9417	9569	9700	9737	9935	10238	10438	10667	10804	10818	10852	10841
1974	10904	10995	10992	10963	11074	11196	11087	11194	11308	11646	11740	11816
1975	12012	12184	12218	12259	12407	12869B	13024	13276	13520	13822	13883	14084
1976	14122	14228	14355	14294	14467	14823	14986	15201	15501	15629	15700	15834
1977	15845	16090	15965	15914	16017	16365	16505	16667	16876	17082	17103	17248
1978	17380	17543	17453	17409	17650	18046	18222	18381	18537	18636	18677	18870
1979	19056	19278	19340	19229	19462	19833	19927	20131	20247	20364	20412	20575
1980	20774	20964	20849	20845	20846	21261	21351	21592	21771	22098	22210	22699
1981	22704	22959	22833	22552	22819	23218	23256	23342	23384	23646	23777	24305
1982	24425	24769	24458	24242	24550	25047	24975	25266	25344	25704	25910	27063
1983	28155	28935	28681									

## SEASONALLY ADJUSTED

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1968	6054	6082	6116	6147	6190	6228	6265	6301	6334	6370	6417	6445
1969	6511	6554	6588	6632	6675	6717	6768	6807	6843	6887	6910	6932
1970	6943	6968	7004	7050	7088	7110	7138	7160	7194	7247	7310	7343
1971	7378	7440	7485	7560	7604	7651	7702	7758	7831	7891	7926	7972
1972	8007	8064	8150	8232	8306	8408	8531	8674	8807	8949	9114	9252
1973	9422	9570	9748	9884	10076	10242	10449	10622	10704	10701	10767	10812
1974	10902	10967	11053	11132	11220	11211	11105	11143	11224	11525	11647	11793
1975	11985	12150	12282	12435	12586	12883B	13030	13244	13429	13670	13808	14013
1976	14098	14169	14410	14520	14676	14816	15011	15175	15378	15503	15608	15759
1977	15808	15960	16025	16176	16233	16373	16514	16632	16794	16944	17047	17168
1978	17315	17431	17508	17683	17884	18029	18231	18355	18454	18516	18636	18776
1979	18965	19121	19398	19537	19688	19817	19953	20090	20192	20255	20384	20472
1980	20650	20778	20900	21165	21087	21244	21370	21568	21758	22010	22204	22564
1981	22558	22753	22852	22906	23085	23165	23295	23334	23374	23581	23758	24165
1982	24276	24515	24490	24641	24817	25001	25042	25242	25360	25610	25905	26917
1983	27950	28646	28727									

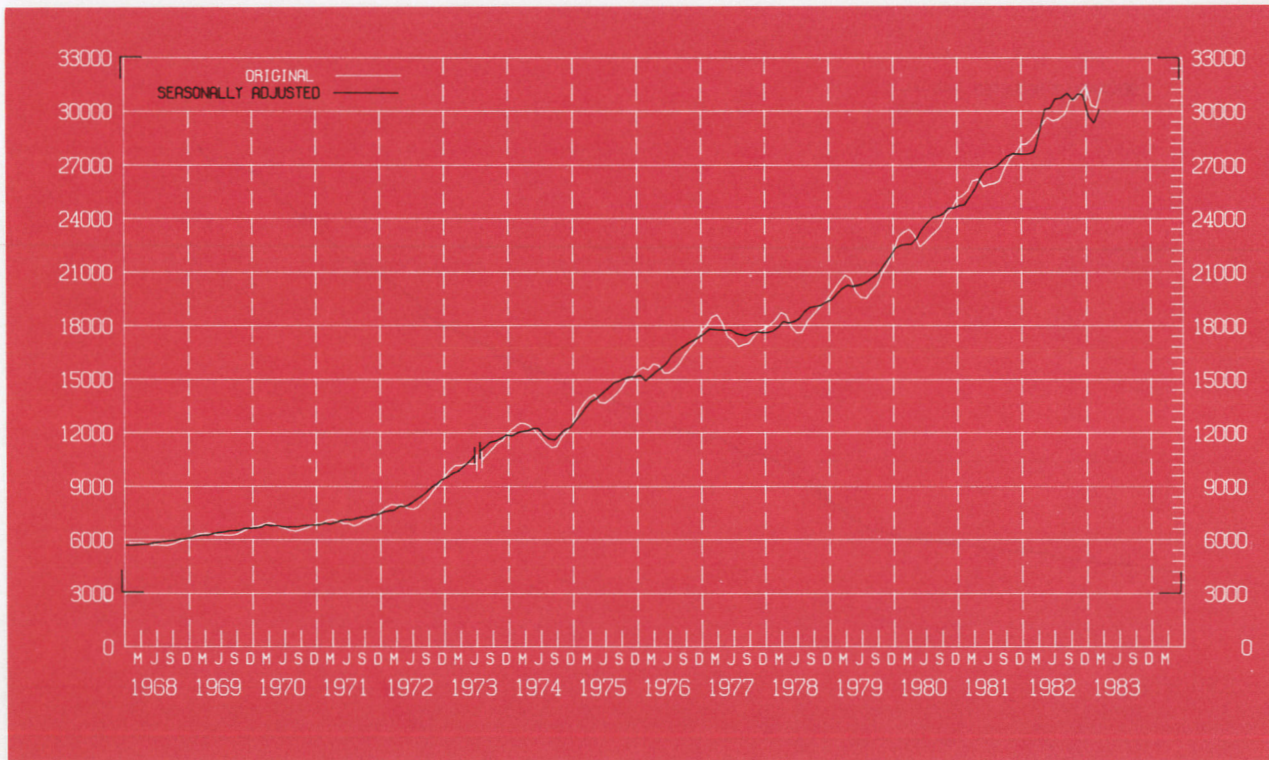
(A) EXCLUDES EXTERNAL TERRITORIES.

(B) BREAK IN CONTINUITY OF SERIES - SEE EXPLANATORY NOTES.



## MAJOR TRADING BANKS - TOTAL DEPOSITS

\$ MILLION



YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
ORIGINAL												
1968	5819	5816	5832	5759	5689	5698	5683	5668	5745	5887	5979	6110
1969	6261	6349	6379	6356	6266	6277	6249	6257	6311	6453	6604	6759
1970	6760	6870	6964	6891	6726	6623	6526	6481	6567	6666	6768	6945
1971	6946	7091	7149	7045	6915	6912	6773	6899	7091	7182	7342	7610
1972	7830	7989	7952	7998	7770	7719	7845	8131	8398	8826	9139	9549
1973	9932	10187	10184	10292	10267	10321	10480A	10813	11133	11451	11607	12066
1974	12297	12545	12516	12375	12095	11755	11380	11163	11250	11800	12119	12508
1975	13179	13628	13983	14160	13700	13665	13910	14180	14497	14943	15067	15500
1976	15679	15536	15870	15779	15348	15385	15614	15958	16456	16831	17127	17708
1977	18022	18514	18629	18158	17396	17193	16826	16949	17027	17421	17718	17849
1978	18054	18340	18743	18620	17890	17593	17637	18255	18600	18952	19232	19601
1979	20046	20461	20852	20653	19902	19602	19550	19958	20313	20993	21459	22150
1980	22999	23252	23399	23088	22436	22680	23010	23278	23630	24288	24556	25127
1981	25292	25564	26147	26219	25803	25935	25977	26126	26846	27398	27639	28151
1982	28185	28452	28862	29278	29652	29457	29569	29857	30631	30613	31022	31424
1983	30321	30194	31307									

## SEASONALLY ADJUSTED

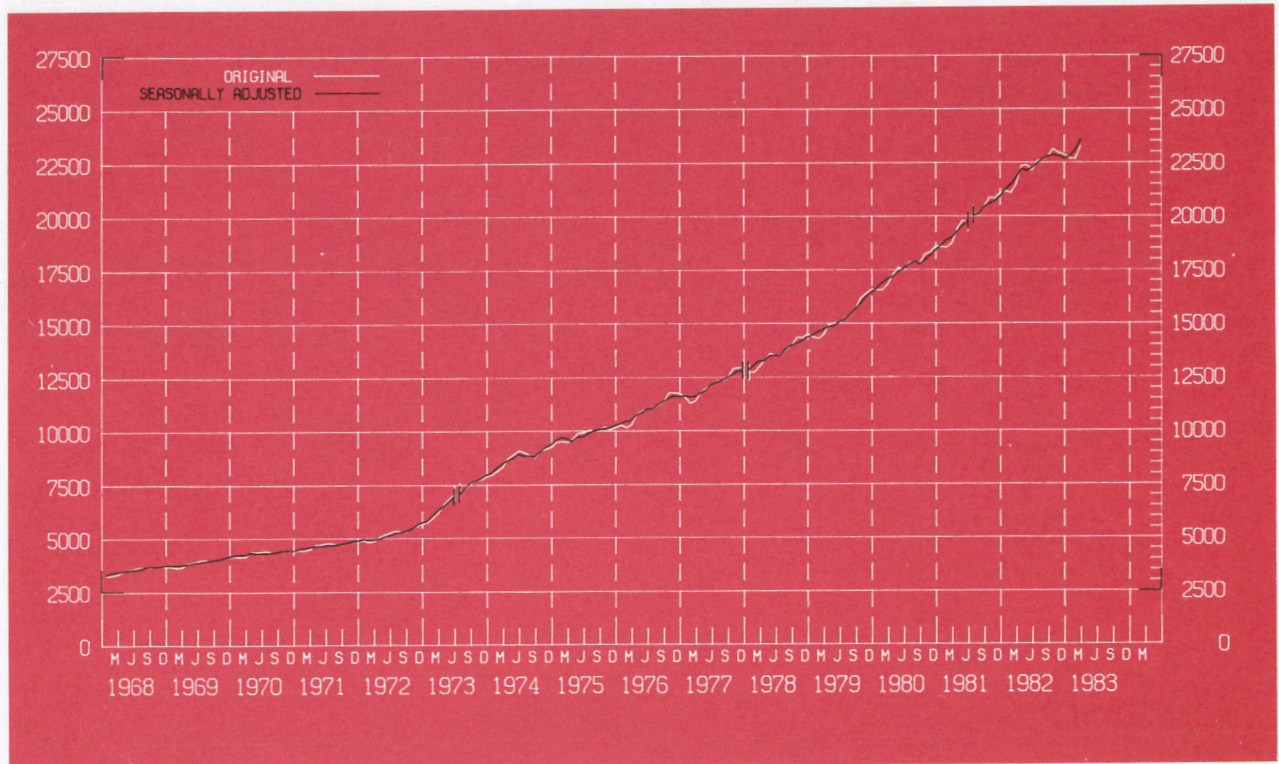
YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1968	5655	5633	5676	5698	5694	5795	5816	5858	5905	5927	5994	6027
1969	6084	6158	6220	6230	6317	6371	6397	6465	6486	6498	6619	6610
1970	6627	6671	6807	6749	6770	6709	6678	6696	6695	6771	6787	6791
1971	6815	6899	6856	6941	7043	7110	7100	7192	7256	7265	7369	7411
1972	7552	7605	7634	7861	7848	8001	8215	8414	8653	8936	9115	9373
1973	9514	9720	9844	10091	10372	10698	10960A	11192	11465	11514	11671	11847
1974	11795	11982	12067	12111	12224	12224	11834	11623	11569	11868	12172	12292
1975	12672	13038	13445	13758	13937	14212	14457	14753	14889	15016	15124	15138
1976	15210	14910	15154	15414	15632	15887	16315	16582	16778	16988	17161	17329
1977	17526	17808	17780	17747	17730	17745	17570	17479	17434	17564	17641	17590
1978	17591	17678	17903	18226	18142	18221	18395	18795	19014	19078	19129	19326
1979	19445	19766	20072	20265	20180	20248	20352	20517	20761	20994	21477	21837
1980	22335	22506	22560	22562	22874	23386	23778	24043	24129	24267	24580	24593
1981	24736	24781	25248	25673	26280	26711	26814	26941	27226	27503	27639	27613
1982	27599	27614	27722	28883	30140	30166	30706	30748	31013	30640	30973	30917
1983	29730	29332	30094									

(A) BREAK IN CONTINUITY OF SERIES - SEE EXPLANATORY NOTES.



## MAJOR TRADING BANKS - LOANS, ADVANCES AND BILLS DISCOUNTED

\$ MILLION



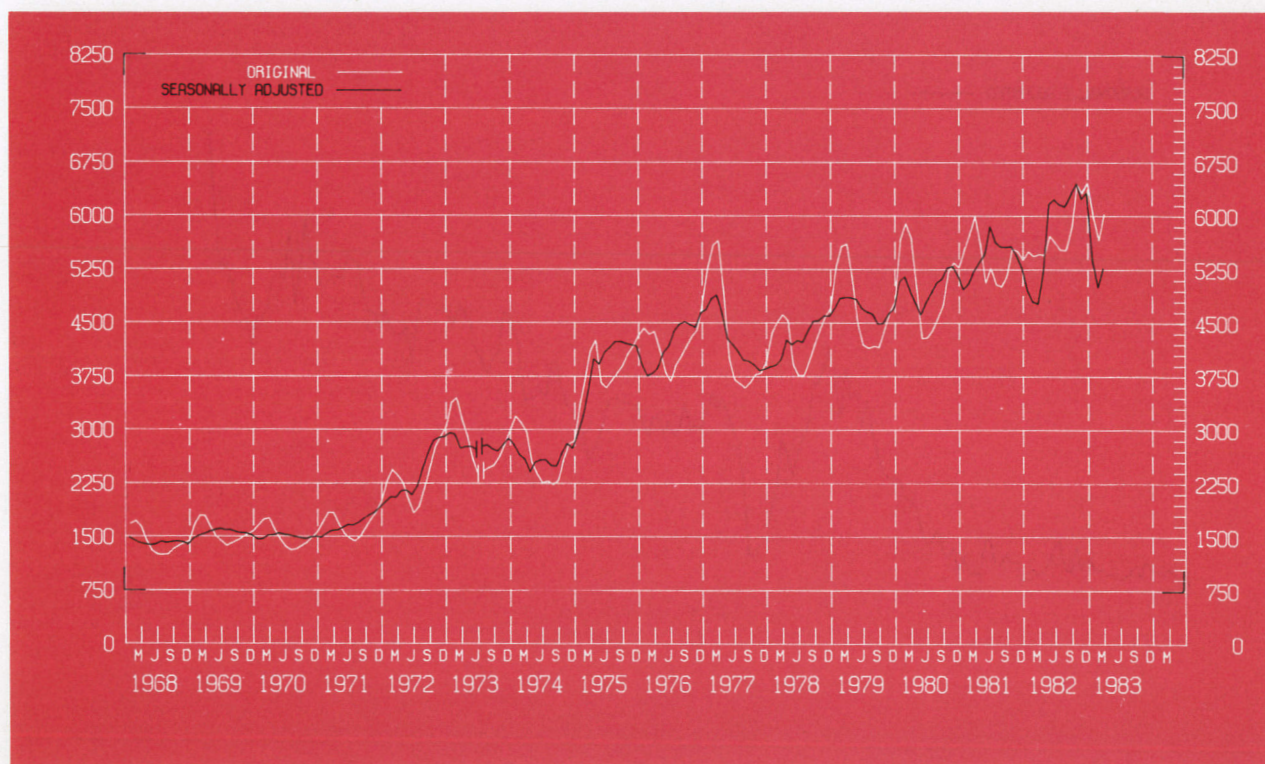
YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
ORIGINAL												
1968	3267	3288	3354	3504	3559	3598	3662	3676	3665	3717	3705	3718
1969	3687	3633	3677	3820	3901	3952	4027	3980	3986	4060	4096	4140
1970	4179	4151	4161	4388	4376	4401	4422	4368	4357	4472	4436	4393
1971	4466	4440	4503	4705	4720	4770	4786	4740	4736	4846	4849	4857
1972	4927	4832	4868	5058	5173	5257	5362	5313	5330	5462	5585	5706
1973	5767	5960	6207	6596	6854	7088	7212A	7355	7557	7768	7754	7894
1974	7990	8146	8354	8764	8916	9099	8996	8871	8775	9103	9179	9272
1975	9504	9526	9484	9643	9913	9932	10046	10014	10057	10195	10072	10176
1976	10289	10167	10304	10793	10948	11014	11120	11228	11365	11787	11783	11736
1977	11572	11283	11420	11819	12002	12148	12330	12343	12503	12911	12952	12959
1978	12731B	12737	13023	13329	13618	13484	13539	13811	13986	14357	14324	14515
1979	14366	14304	14472	14950	15030	15012	15252	15380	15707	16216	16407	16612
1980	16565	16575	16836	17304	17613	17498	17837	17871	17780	18236	18320	18598
1981	18558	18543	18750	19409	19803	19665	20136B	20043	20443	20866	20822	21080
1982	21161	21074	21486	22348	22382	22119	22569	22639	22817	23121	22948	22866
1983	22690	22659	23249									
SEASONALLY ADJUSTED												
1968	3320	3398	3437	3477	3509	3539	3580	3648	3673	3693	3705	3740
1969	3739	3744	3763	3786	3846	3886	3940	3957	4003	4037	4102	4167
1970	4231	4268	4253	4344	4311	4324	4331	4351	4381	4449	4449	4427
1971	4516	4555	4595	4653	4646	4684	4692	4729	4767	4823	4871	4900
1972	4978	4948	4961	4998	5087	5161	5263	5306	5364	5437	5619	5763
1973	5823	6092	6321	6515	6735	6961	7088A	7350	7601	7731	7811	7980
1974	8060	8315	8506	8656	8759	8940	8854	8871	8813	9055	9256	9375
1975	9582	9709	9658	9525	9737	9766	9898	10021	10086	10140	10163	10291
1976	10368	10470	10496	10751	10869	11019	11083	11242	11381	11538	11646	11629
1977	11662	11595	11631	11771	11913	12167	12293	12364	12511	12655	12813	12840
1978	12829B	13059	13258	13270	13510	13519	13500	13838	13987	14097	14193	14387
1979	14475	14631	14715	14878	14893	15072	15207	15410	15705	15962	16282	16473
1980	16679	16919	17102	17210	17435	17589	17782	17903	17777	17989	18203	18451
1981	18673	18903	19025	19296	19587	19785	20074B	20074	20443	20616	20697	20919
1982	21280	21469	21793	22215	22131	22259	22498	22674	22822	22860	22815	22694
1983	22812	23077	23577									

(A) BREAK IN CONTINUITY OF SERIES - SEE EXPLANATORY NOTES.  
 (B) CHANGE IN ACCOUNTING PROCEDURES BY SOME BANKS.



MAJOR TRADING BANKS - LIQUID ASSETS AND  
AUSTRALIAN GOVERNMENT SECURITIES (A)

\$ MILLION



YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
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ORIGINAL

1968	1681	1716	1636	1445	1297	1247	1241	1250	1323	1370	1406	1440
1969	1675	1798	1787	1633	1503	1438	1372	1409	1449	1491	1538	1580
1970	1663	1744	1760	1593	1464	1356	1307	1325	1370	1416	1492	1569
1971	1703	1839	1833	1672	1537	1473	1436	1500	1620	1745	1846	2004
1972	2275	2436	2362	2258	2024	1831	1922	2180	2459	2759	2902	3033
1973	3383	3444	3138	2913	2591	2383	2423B	2473	2506	2622	2799	2999
1974	3186	3097	2964	2547	2381	2258	2278	2230	2290	2585	2807	2848
1975	3358	3707	4105	4251	3656	3587	3691	3796	3900	4062	4173	4321
1976	4421	4337	4377	4120	3811	3678	3904	4032	4171	4307	4399	4786
1977	5268	5589	5652	4933	3989	3702	3647	3587	3669	3780	3804	3960
1978	4354	4511	4611	4531	3909	3763	3765	3959	4189	4402	4589	4707
1979	5267	5576	5607	5131	4492	4187	4144	4170	4156	4406	4648	4802
1980	5671	5891	5692	5023	4283	4289	4393	4563	4746	5213	5344	5275
1981	5529	5740	5996	5601	5064	5270	5038	5011	5160	5537	5505	5383
1982	5501	5434	5464	5450	5717	5627	5525	5520	5848	6434	6317	6470
1983	5965	5657	6028									

SEASONALLY ADJUSTED

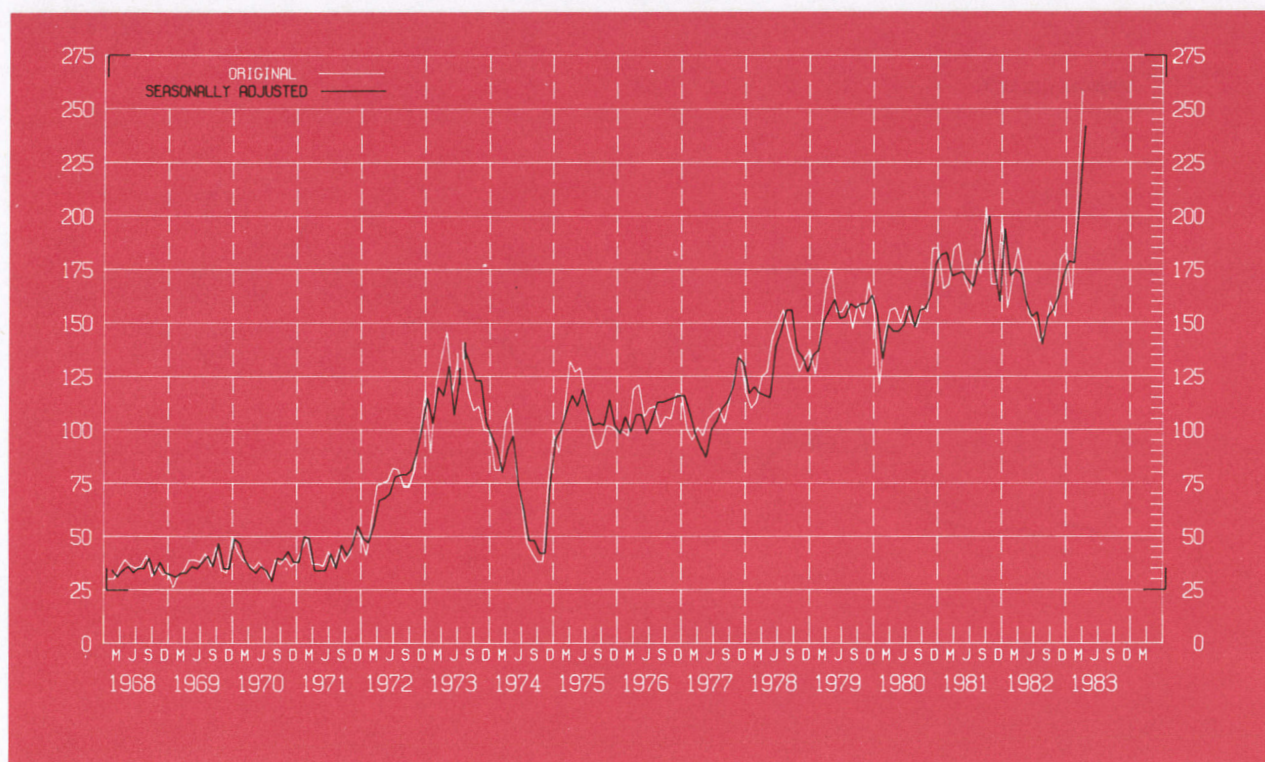
1968	1485	1446	1409	1396	1379	1396	1432	1412	1429	1437	1424	1393
1969	1478	1515	1540	1571	1596	1616	1592	1598	1569	1558	1553	1523
1970	1466	1469	1522	1527	1554	1532	1521	1505	1488	1475	1500	1507
1971	1496	1552	1592	1598	1635	1675	1669	1706	1764	1810	1847	1924
1972	1994	2064	2059	2152	2160	2091	2221	2473	2682	2854	2898	2910
1973	2962	2939	2744	2767	2773	2726	2774B	2794	2733	2708	2798	2883
1974	2797	2660	2592	2410	2554	2582	2583	2503	2495	2677	2815	2743
1975	2962	3206	3583	4006	3922	4090	4157	4241	4240	4214	4198	4181
1976	3926	3762	3804	3871	4089	4181	4386	4488	4524	4476	4439	4647
1977	4696	4850	4899	4635	4279	4198	4100	3984	3972	3918	3836	3864
1978	3891	3914	3993	4268	4200	4257	4235	4391	4531	4537	4607	4602
1979	4714	4855	4866	4860	4834	4711	4658	4629	4490	4499	4635	4706
1980	5090	5159	4954	4782	4619	4796	4928	5070	5124	5281	5301	5166
1981	4977	5058	5235	5358	5465	5861	5636	5571	5567	5580	5448	5273
1982	4960	4803	4779	5225	6176	6241	6165	6139	6309	6464	6245	6339
1983	5382	5008	5277									

(A) AVERAGE OF WEEKLY FIGURES (REPORTED AS AT EACH WEDNESDAY) FOR THE MONTH.  
(B) BREAK IN CONTINUITY OF SERIES - SEE EXPLANATORY NOTES.



## MAJOR TRADING BANKS - NEW AND INCREASED LENDING COMMITMENTS (A)

\$ MILLION



YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
ORIGINAL												
1968	30	30	35	39	36	35	36	41	31	36	32	33
1969	26	32	34	39	39	38	42	36	45	34	33	50
1970	43	39	37	35	38	35	30	39	37	40	36	38
1971	44	49	37	37	36	43	36	44	38	42	53	50
1972	41	56	74	75	76	82	81	73	73	81	97	118
1973	89	122	134	146	117	132	137B	117	109	111	100	99
1974	81	81	104	110	80	66	47	42	38	38	75	98
1975	89	108	132	127	129	115	100	91	93	102	101	99
1976	99	97	119	121	106	110	111	101	106	105	117	116
1977	100	95	101	97	105	108	110	103	115	126	135	117
1978	110	113	125	127	143	150	156	144	135	127	133	137
1979	126	145	167	175	155	155	160	147	159	152	169	156
1980	121	144	156	157	150	158	150	148	158	155	185	185
1981	166	168	185	187	170	164	180	173	204	168	168	198
1982	157	172	185	171	154	151	141	146	160	153	180	183
1983	161	203	258									

## SEASONALLY ADJUSTED

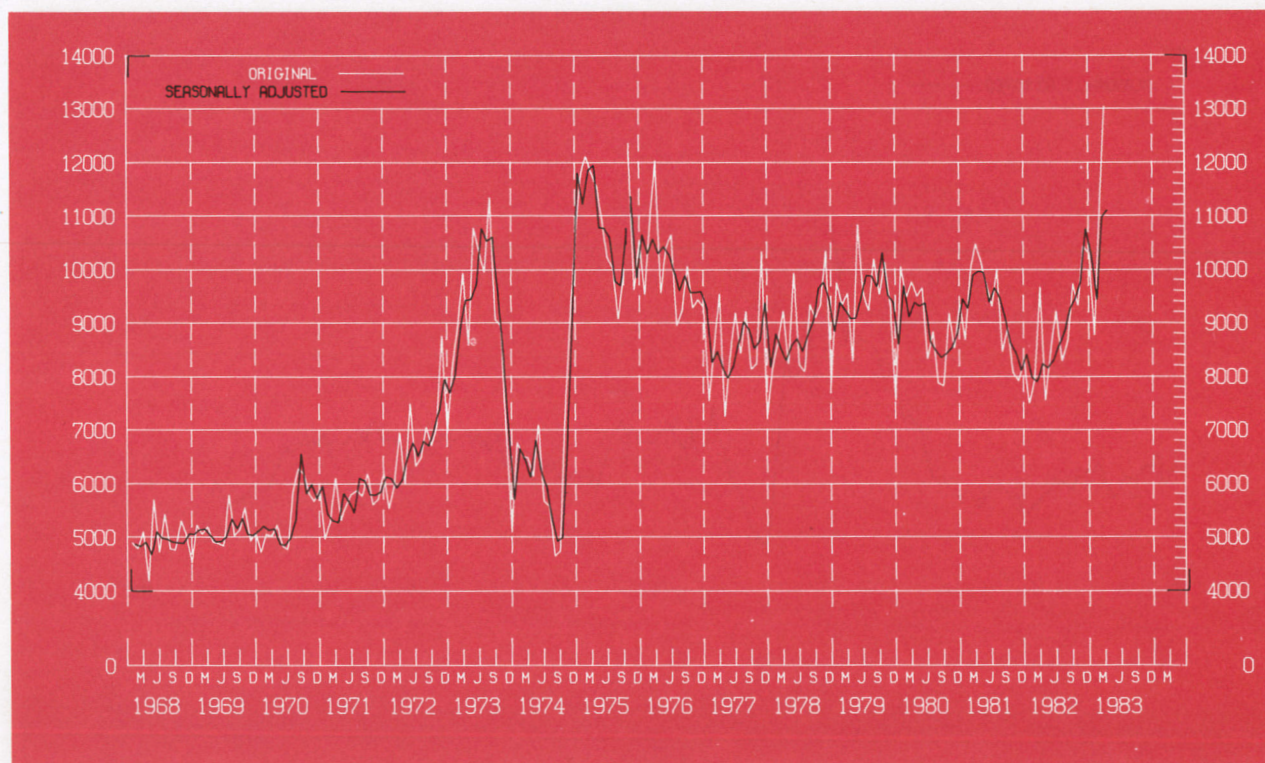
YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1968	34	31	34	36	33	35	35	40	32	38	33	32
1969	31	33	33	36	35	38	41	36	47	35	35	49
1970	47	39	35	33	36	34	29	40	39	43	38	38
1971	50	49	34	34	34	42	35	46	41	46	55	49
1972	47	55	67	68	70	78	79	79	81	89	101	115
1973	103	120	116	130	107	125	137B	130	123	123	103	97
1974	91	80	91	97	74	63	48	48	42	42	76	96
1975	100	109	116	111	119	109	102	103	102	114	102	98
1976	106	99	107	107	98	105	113	113	114	115	116	116
1977	108	98	92	87	100	104	110	113	120	134	131	117
1978	120	117	116	115	139	146	156	156	137	134	127	135
1979	137	151	156	161	152	153	159	157	159	159	163	154
1980	133	149	146	146	149	158	148	156	157	163	178	182
1981	183	172	173	174	170	167	178	182	200	176	160	194
1982	172	175	173	160	153	155	140	153	156	162	173	179
1983	178	207	242									

(A) SOURCE OF ORIGINAL DATA - RESERVE BANK OF AUSTRALIA

(B) BREAK IN CONTINUITY OF SERIES DUE TO CHANGE IN DEFINITION - SEE EXPLANATORY NOTES.



HOUSING FINANCE FOR OWNER OCCUPATION - LOANS APPROVED TO INDIVIDUALS  
TOTAL LOANS APPROVED (A)  
SAVINGS BANKS  
NUMBER OF DWELLING UNITS



YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
ORIGINAL												
1968	4877	4784	5097	4175	5695	4717	5423	4771	4753	5304	5022	4514
1969	5231	5048	5197	4902	4876	4837	5797	5020	5135	5555	4924	5073
1970	4715	5061	5016	5229	4825	4771	5879	6288	6186	5811	5670	5896
1971	4958	5273	6109	5314	5609	5811	5880	5770	6185	5607	5717	6201
1972	5528	5971	6957	6001	7494	6327	6479	7059	6710	7070	8763	6943
1973	8167	8979	9939	8585	10780	10335	9948	11349	9060	8962	6930	5091
1974	6771	6501	6480	6133	7101	5664	5584	4645	4744	7256	9097	10551
1975	11754	12115	11802	11553	10921	10209	10044	9072	9860	12205B	9618	10557
1976	9537	10931	12039	9558	10408	10644	8952	9228	10067	9278	9434	9285
1977	7539	8558	9549	7250	8404	9196	8429	9222	8129	8237	10333	7258
1978	8164	8631	9224	8235	9939	8206	8088	9343	9088	9351	10344	7887
1979	9757	9332	9556	8281	10841	9543	9227	10198	9537	10140	9336	7543
1980	10050	9474	9764	9493	9648	8320	8839	7863	7827	9180	8527	9352
1981	8677	9950	10477	10145	9712	9298	10008	8449	8914	8050	7912	8325
1982	7495	7934	9672	7550	8456	9218	8283	8677	9734	9322	10441	10294
1983	8764	11085	13048									

## SEASONALLY ADJUSTED

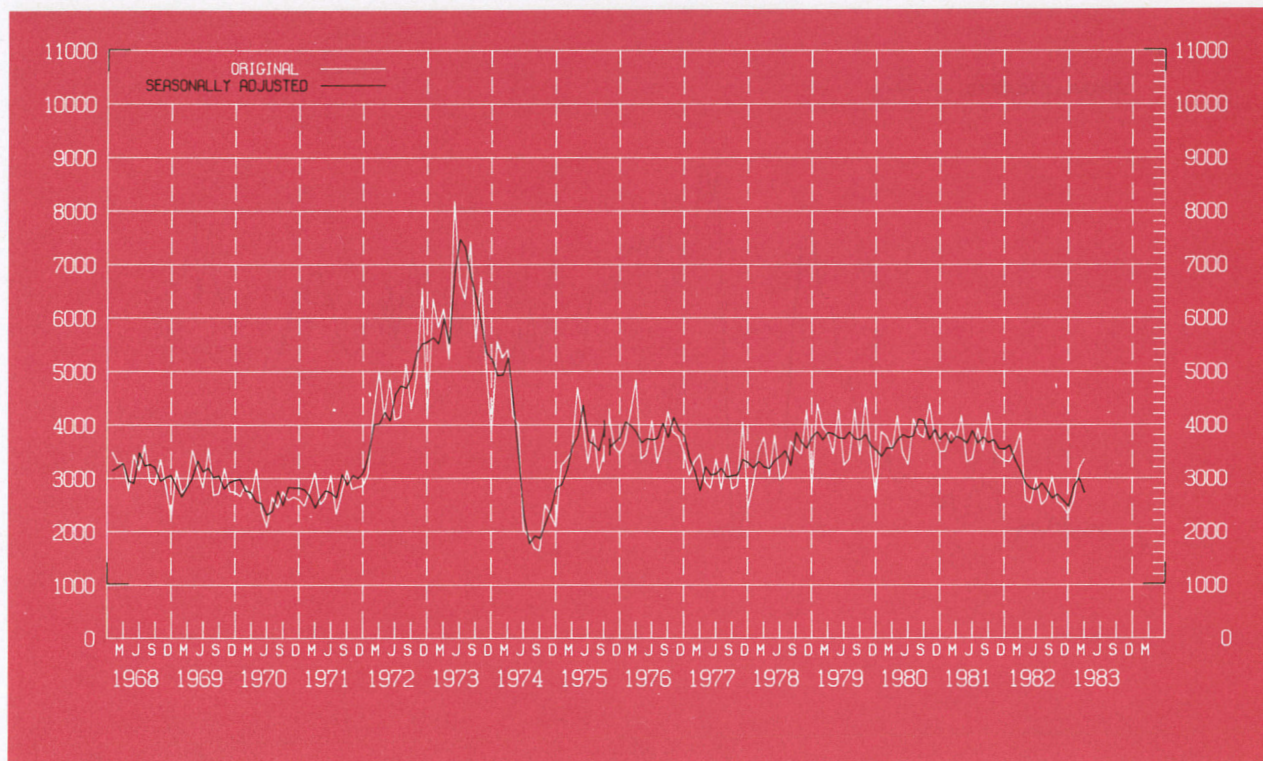
YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1968	4869	4836	4908	4676	5116	4978	4965	4913	4901	4893	5077	5071
1969	5151	5169	5036	4915	4928	5015	5354	5163	5365	5054	5035	5125
1970	5214	5136	5160	4872	4848	4992	5344	6568	5816	6000	5727	5972
1971	5431	5311	5277	5830	5665	5458	6117	6055	5793	5790	5850	6141
1972	6096	5924	6073	6507	6771	6514	6806	6712	7038	7380	7967	7699
1973	8041	8923	9446	9448	9719	10779	10528	10622	9597	8412	6955	5705
1974	6666	6439	6127	6824	6254	5951	5340	4926	5002	6850	9204	11813
1975	11227	11863	11949	10774	10771	10602	9773	9698	10620	11213B	9838	10655
1976	10295	10574	10297	10436	10278	9961	9603	9896	9567	9575	9597	9282
1977	8261	8477	8177	7970	8203	8623	9035	8876	8523	8663	9390	8169
1978	8804	8513	8301	8593	8704	8464	8781	9018	9658	9765	9433	8842
1979	9400	9244	9082	9090	9492	9898	9875	9687	10319	9511	9400	8594
1980	9699	9112	9388	9315	9373	8646	8482	8348	8434	8539	8795	9461
1981	9272	9904	9971	9948	9386	9665	9477	9109	8617	8446	8107	8422
1982	7977	7901	8247	8153	8293	8576	8852	9295	9455	9758	10765	10239
1983	9433	10984	11104									

(A) INCLUDES LOANS APPROVED FOR THE CONSTRUCTION OF DWELLINGS, PURCHASE OF NEWLY ERECTED DWELLINGS AND PURCHASE OF ESTABLISHED DWELLINGS.

(B) BREAK IN CONTINUITY OF SERIES - SEE EXPLANATORY NOTES.



HOUSING FINANCE FOR OWNER OCCUPATION - LOANS APPROVED TO INDIVIDUALS  
 TOTAL LOANS APPROVED (A)  
 TRADING BANKS (B)  
 NUMBER OF DWELLING UNITS



YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
ORIGINAL												
1968	3475	3278	3275	2758	3443	3142	3621	2920	2876	3348	2825	2261
1969	3143	2727	2841	3534	3162	2815	3569	2680	2715	3189	2751	2740
1970	2658	2863	2620	3186	2398	2078	2648	2448	2748	2588	2650	2601
1971	2478	2762	3104	2505	2634	3054	2323	2715	3150	2797	2833	2862
1972	3088	4199	5015	4139	4850	4096	4143	5147	4301	4919	6555	4112
1973	6363	5826	6176	5226	8182	6659	6350	7427	5551	6766	5088	3865
1974	5564	5248	5409	4152	4025	2019	1916	1687	1634	2505	2312	2087
1975	3246	3362	3501	4699	4101	3268	3927	3083	3462	4145C	3571	3459
1976	3680	4238	4838	3355	3448	4081	3274	3649	4248	3857	3779	3493
1977	3058	3317	3450	2924	2810	3359	2785	3440	2795	2864	4051	2428
1978	2904	3517	3772	3036	3806	2965	3063	3689	3542	3450	4276	2809
1979	4397	3948	3817	3448	4273	3240	3365	4294	3427	4517	3466	2636
1980	3868	3773	3503	4176	3465	3250	4115	3819	3761	4402	3748	3490
1981	3500	3868	3728	4171	3300	3357	3936	3512	4226	3524	3396	3322
1982	3302	3526	3855	2581	2526	2995	2495	2602	3026	2552	2479	2318
1983	2597	3182	3355									

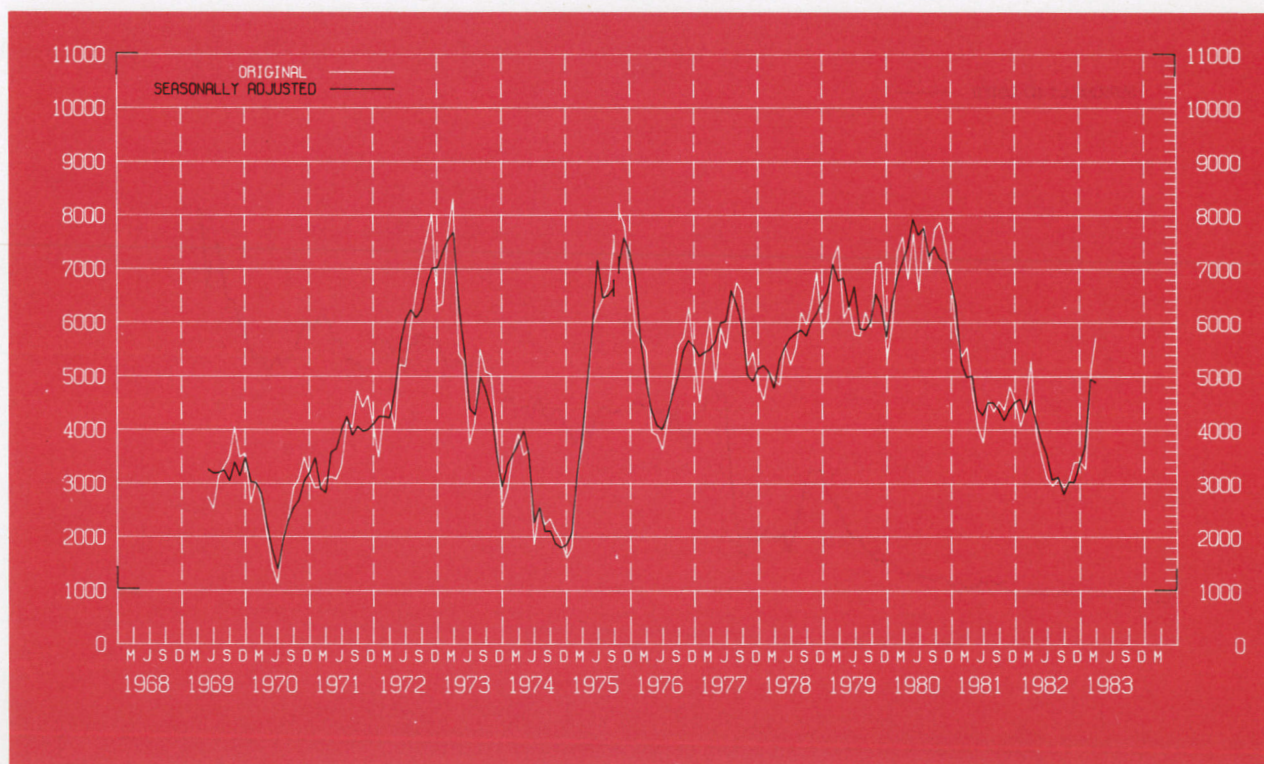
## SEASONALLY ADJUSTED

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1968	3130	3191	3264	2925	2889	3472	3215	3245	3181	2928	2998	3038
1969	2818	2634	2811	2987	3318	3107	3180	2999	3032	2787	2914	2948
1970	2972	2751	2719	2545	2513	2293	2368	2756	2475	2822	2805	2806
1971	2768	2647	2428	2635	2758	2704	2622	3065	2861	3047	2987	3088
1972	3434	3999	4005	4229	4060	4566	4720	4674	4913	5352	5508	5547
1973	5623	5499	5980	5499	6860	7467	7294	6755	6367	5860	5328	5206
1974	4912	4926	5248	4382	3393	2264	1756	1904	1854	2154	2412	2811
1975	2874	3144	3600	3778	4358	3687	3618	3501	3916	3570C	3670	3757
1976	4044	3967	3855	3652	3732	3706	3740	4026	3745	4134	3889	3791
1977	3361	3117	2752	3206	3052	3070	3175	3003	3035	3052	3342	3274
1978	3182	3302	3197	3164	3319	3402	3503	3221	3849	3658	3544	3757
1979	3861	3699	3846	3815	3738	3723	3856	3720	3703	3810	3601	3512
1980	3390	3556	3538	3707	3802	3745	3780	4097	4055	3708	3896	3704
1981	3830	3634	3765	3722	3634	3873	3636	3749	3646	3705	3530	3519
1982	3601	3318	3120	2883	2791	2765	2891	2758	2605	2682	2577	2451
1983	2828	2989	2713									

- (A) INCLUDES LOANS APPROVED FOR THE CONSTRUCTION OF DWELLINGS, PURCHASE OF NEWLY ERECTED DWELLINGS AND PURCHASE OF ESTABLISHED DWELLINGS.  
 (B) SOURCE OF ORIGINAL DATA TO SEPTEMBER 1975 - RESERVE BANK OF AUSTRALIA.  
 (C) BREAK IN CONTINUITY OF SERIES - SEE EXPLANATORY NOTES.



HOUSING FINANCE FOR OWNER OCCUPATION - LOANS APPROVED TO INDIVIDUALS  
TOTAL LOANS APPROVED (A)  
PERMANENT BUILDING SOCIETIES  
NUMBER OF DWELLING UNITS



YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
ORIGINAL												
1969					2733	2514	3129	3298	3492	4044	3486	3557
1970	2628	3042	2700	2077	1425	1129	1964	2326	2927	3081	3496	3162
1971	2913	2923	3102	3120	3080	3321	4150	4040	4731	4420	4640	4072
1972	3489	4408	4517	4015	5222	5180	5887	6532	7141	7555	8024	6295
1973	6349	7633	8309	5408	5275	3727	4142	5502	5082	5035	4015	2539
1974	2853	3534	3924	3527	3627	1857	2566	2232	2345	2115	1937	1611
1975	1801	3107	3684	4727	5950	6246	6458	6673	7481	8064B	7812	6831
1976	5906	5679	5490	3955	3902	3629	4203	4873	5579	5720	6293	5359
1977	4509	5442	6113	4910	5909	5524	6269	6753	6575	5195	5451	4847
1978	4567	5097	4930	4845	5596	5218	5513	6201	5963	6372	6957	5895
1979	6067	7184	7447	6083	6319	5782	5754	6203	5915	7110	7147	5318
1980	5957	7318	7607	6807	7669	6588	7817	7005	7746	7875	7448	6808
1981	5837	5365	5533	4705	4053	3762	4560	4341	4531	4372	4811	4547
1982	4066	4432	5284	3908	3478	3101	2961	3088	2932	3051	3396	3411
1983	3269	5120	5713									

## SEASONALLY ADJUSTED

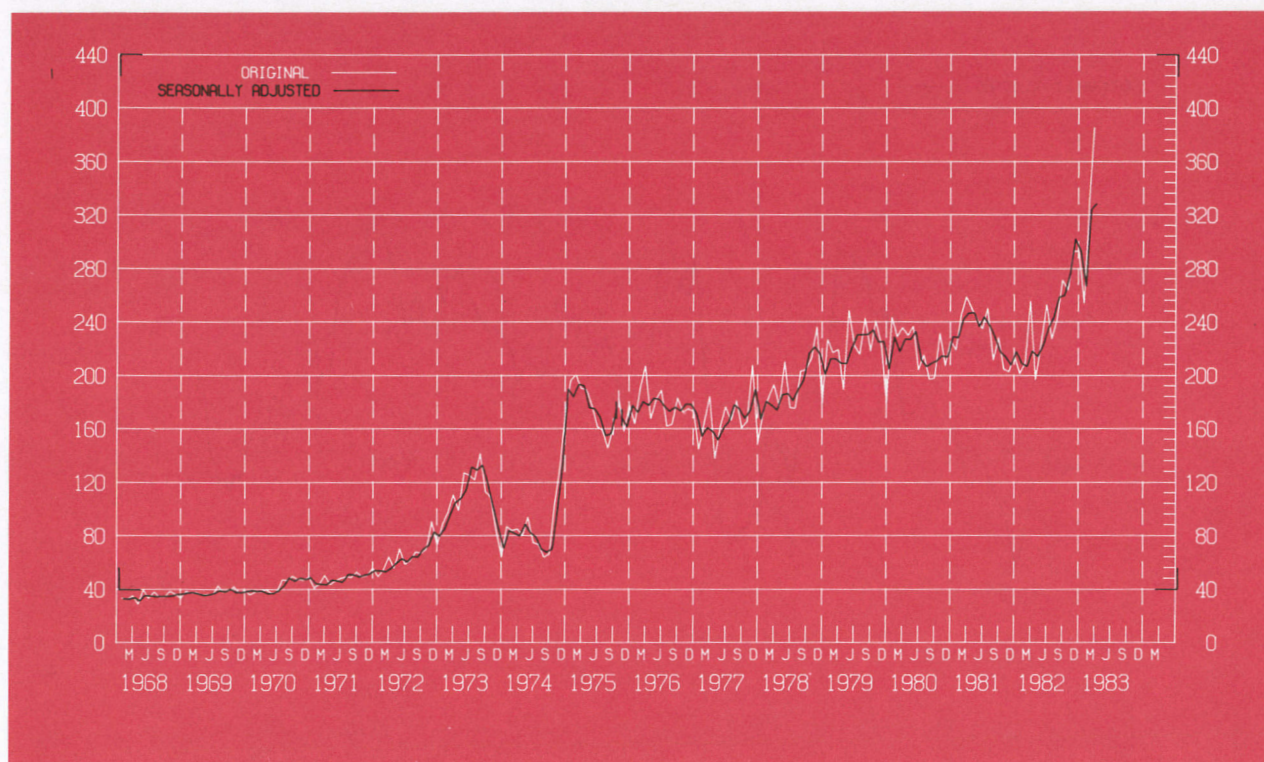
1969					3232	3167	3175	3226	3021	3375	3115	3467
1970	3002	2984	2787	2221	1712	1375	1921	2282	2527	2667	3030	3183
1971	3464	2878	2804	3566	3628	4004	4231	3873	4047	3952	3988	4099
1972	4231	4224	4202	4724	5558	6035	6223	6071	6214	6699	7004	7010
1973	7293	7540	7663	6286	5456	4367	4262	4971	4699	4318	3530	2922
1974	3339	3525	3741	3965	3529	2250	2533	2081	2097	1855	1780	1836
1975	2043	3093	3826	4878	5895	7150	6445	6497	6632	7060B	7570	7281
1976	6823	5642	4936	4358	4070	3989	4240	4667	4985	5467	5655	5542
1977	5360	5436	5488	5631	5988	6015	6591	6318	5958	5008	4893	5134
1978	5191	5070	4765	5284	5523	5701	5786	5854	5740	6010	6156	6396
1979	6558	7084	6772	6824	6276	6666	5877	5852	5993	6530	6287	5714
1980	6340	6825	7112	7389	7922	7613	7757	7226	7411	7183	7106	6790
1981	6326	5236	4969	4999	4382	4261	4500	4497	4363	4162	4363	4507
1982	4567	4306	4545	4141	3775	3526	3057	3109	2785	3024	3006	3338
1983	3674	4940	4878									

(A) INCLUDES LOANS APPROVED FOR THE CONSTRUCTION OF DWELLINGS, PURCHASE OF NEWLY ERECTED DWELLINGS AND PURCHASE OF ESTABLISHED DWELLINGS.

(B) BREAK IN CONTINUITY OF SERIES - SEE EXPLANATORY NOTES.



HOUSING FINANCE FOR OWNER OCCUPATION - LOANS APPROVED TO INDIVIDUALS  
TOTAL VALUE OF LOANS APPROVED (A)  
SAVINGS BANKS  
\$ MILLION



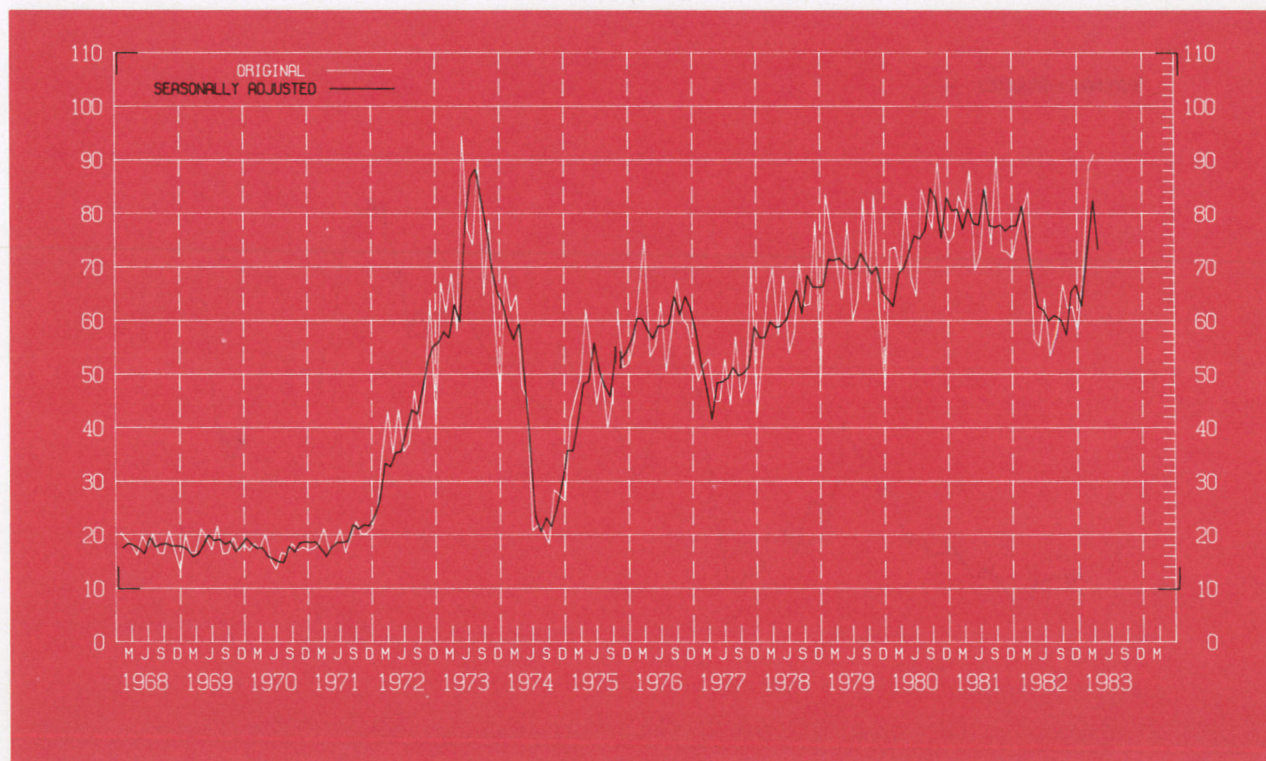
YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
ORIGINAL												
1968	32.7	32.1	34.8	28.3	39.5	33.0	37.7	33.8	33.9	38.2	36.0	33.1
1969	38.2	36.6	37.6	35.6	35.9	35.8	42.6	37.3	38.7	41.7	36.8	38.8
1970	35.7	38.0	37.7	39.8	36.9	37.4	47.0	46.8	49.5	47.2	46.7	48.9
1971	40.7	43.6	50.2	43.3	46.1	48.1	49.1	48.7	52.7	49.1	50.1	55.5
1972	49.3	54.1	63.9	55.5	70.1	58.6	61.4	67.7	67.0	69.8	90.4	72.9
1973	88.2	97.3	110.6	98.9	127.1	125.4	122.0	141.6	112.7	109.2	84.3	63.8
1974	86.8	83.7	84.9	80.1	93.7	74.8	73.2	63.7	66.2	104.1	130.8	171.1
1975	196.2	200.1	190.2	189.1	177.3	161.4	158.8	145.3	161.4	182.4B	157.9	177.7
1976	163.8	189.6	207.0	167.3	181.7	188.8	161.7	163.3	182.9	172.4	174.8	172.9
1977	144.6	164.7	184.1	137.6	161.8	176.3	166.2	180.7	160.5	165.1	207.8	149.2
1978	172.0	182.9	192.8	177.0	209.9	175.6	175.1	203.1	204.4	212.1	236.2	179.2
1979	226.5	217.0	219.2	189.2	248.3	222.2	215.8	242.6	218.1	240.5	223.6	179.4
1980	243.4	228.7	235.5	229.7	236.5	203.7	215.0	196.9	197.8	231.2	207.1	225.5
1981	218.9	244.9	258.6	249.5	241.2	234.5	249.8	211.4	227.9	204.4	202.6	214.3
1982	201.1	209.1	255.4	196.4	224.1	252.7	227.0	241.7	271.2	264.0	292.7	293.2
1983	253.8	329.2	385.0									
SEASONALLY ADJUSTED												
1968	32.7	32.6	33.8	31.4	35.5	35.1	34.5	34.7	34.9	35.2	36.4	36.6
1969	37.6	37.7	36.7	35.5	36.2	37.4	39.4	38.3	40.4	37.9	37.7	38.6
1970	39.3	38.6	39.0	36.9	37.1	39.4	42.9	48.7	46.6	48.8	47.5	48.9
1971	44.4	43.9	43.5	47.2	46.5	45.5	51.3	51.2	49.5	50.7	51.7	54.3
1972	53.9	53.4	56.0	59.9	63.3	60.7	64.9	64.6	70.4	73.1	83.1	80.0
1973	85.8	96.0	105.3	108.3	114.6	131.9	129.6	133.3	119.8	102.8	85.5	71.0
1974	84.2	82.1	80.2	88.9	82.6	79.3	70.3	68.0	70.1	98.7	133.8	190.2
1975	184.4	193.6	192.5	176.1	175.2	168.8	155.1	156.5	174.3	168.8B	162.0	178.0
1976	172.7	180.8	177.9	183.2	182.5	177.1	173.6	176.4	173.8	178.7	178.5	172.0
1977	154.7	161.1	158.4	151.9	160.6	165.8	178.3	175.1	168.2	173.9	189.7	167.6
1978	180.8	178.0	174.3	185.7	187.0	181.6	190.2	197.0	216.5	221.7	216.5	201.1
1979	212.7	212.8	209.3	209.3	221.0	231.0	230.9	231.3	234.5	225.3	225.8	204.9
1980	229.2	218.2	227.5	227.4	233.3	212.0	206.9	209.6	211.4	214.9	213.9	229.2
1981	228.3	242.0	246.9	247.1	236.6	244.0	237.4	228.4	217.8	214.2	208.0	217.9
1982	209.1	207.0	218.5	214.3	223.2	235.2	243.8	258.9	260.3	276.0	302.4	293.3
1983	266.9	324.2	328.3									

(A) INCLUDES LOANS APPROVED FOR THE CONSTRUCTION OF DWELLINGS, PURCHASE OF NEWLY ERECTED DWELLINGS AND PURCHASE OF ESTABLISHED DWELLINGS.

(B) BREAK IN CONTINUITY OF SERIES - SEE EXPLANATORY NOTES.



HOUSING FINANCE FOR OWNER OCCUPATION - LOANS APPROVED TO INDIVIDUALS  
TOTAL VALUE OF LOANS APPROVED (A)  
TRADING BANKS (B)  
\$ MILLION



YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
ORIGINAL												
1968	20.2	19.0	18.0	16.1	19.7	17.7	20.1	16.5	16.4	20.6	17.0	13.3
1969	19.9	16.6	16.6	21.1	19.3	17.1	21.6	16.4	16.6	19.4	16.9	18.1
1970	17.0	18.3	17.3	20.0	15.1	13.5	16.6	16.2	18.3	17.0	17.6	17.1
1971	17.4	18.2	21.1	16.9	18.1	20.9	16.6	19.6	22.4	20.1	20.2	21.3
1972	24.8	35.4	42.9	35.2	43.3	35.5	37.1	46.9	39.8	47.4	63.8	40.5
1973	67.1	61.5	68.8	58.0	94.5	76.9	74.1	90.0	64.6	78.8	60.3	46.0
1974	68.6	61.7	64.7	47.3	45.4	20.7	21.8	20.5	18.3	28.4	27.4	26.3
1975	41.4	45.5	49.0	62.0	53.7	44.3	49.9	39.9	45.9	60.7C	51.2	52.1
1976	56.4	66.2	75.1	53.2	55.3	63.3	50.4	58.0	67.4	60.3	59.1	53.7
1977	48.7	51.6	52.8	44.9	44.9	52.8	44.2	57.0	45.5	48.7	69.8	42.2
1978	53.4	65.1	69.7	57.2	68.4	53.9	57.5	70.5	62.7	63.1	78.4	49.2
1979	83.5	76.9	71.2	64.1	78.3	60.0	64.0	82.7	63.7	83.5	61.5	47.4
1980	73.3	73.7	69.0	82.4	67.8	64.5	84.6	80.4	77.1	89.6	77.8	74.4
1981	75.7	83.3	80.2	88.0	69.3	72.3	85.2	74.1	90.7	73.0	72.7	71.6
1982	76.5	80.4	84.0	56.6	55.2	64.1	53.3	57.9	66.8	62.3	62.6	57.9
1983	69.5	89.1	91.1									
SEASONALLY ADJUSTED												
1968	17.7	18.5	18.1	17.5	16.5	19.6	17.8	18.3	18.5	18.0	18.0	17.9
1969	17.3	16.0	16.5	18.2	20.1	19.0	19.3	18.3	18.9	17.0	18.0	19.5
1970	18.3	17.6	17.7	16.1	15.6	15.1	14.9	18.0	16.9	18.6	18.8	18.7
1971	18.8	17.4	16.1	17.8	18.7	18.7	19.0	22.0	21.2	22.0	21.8	23.5
1972	26.7	33.5	32.8	35.5	35.7	39.8	43.5	42.6	47.3	52.4	55.3	56.0
1973	58.0	56.9	63.1	59.8	77.9	86.8	88.4	82.7	77.3	69.7	65.2	63.3
1974	59.1	56.5	59.5	48.9	37.5	23.4	20.7	23.3	21.6	25.0	29.5	35.9
1975	35.7	41.3	48.3	48.8	55.9	50.7	47.9	45.9	53.7	52.8C	54.1	56.5
1976	60.5	60.4	58.3	56.7	59.1	58.9	59.6	64.6	61.1	64.6	62.3	58.1
1977	52.0	47.3	41.6	48.5	48.7	49.4	51.4	49.8	50.3	51.6	58.9	56.9
1978	56.9	59.9	58.8	59.1	60.2	63.2	65.8	61.4	68.6	66.4	66.3	66.4
1979	71.6	71.3	71.8	70.6	69.7	69.9	72.7	70.8	68.8	70.1	65.3	64.1
1980	62.7	68.9	69.9	72.9	75.9	75.3	76.9	84.8	82.6	75.4	83.1	80.6
1981	80.9	77.2	81.0	78.2	77.9	84.6	77.8	77.5	77.9	76.8	77.7	77.8
1982	81.5	74.7	67.9	62.7	62.1	60.0	61.1	60.2	57.4	65.6	66.8	62.8
1983	73.7	82.6	73.5									

(A) INCLUDES LOANS APPROVED FOR THE CONSTRUCTION OF DWELLINGS, PURCHASE OF NEWLY ERECTED DWELLINGS AND PURCHASE OF ESTABLISHED DWELLINGS.

(B) SOURCE OF ORIGINAL DATA TO SEPTEMBER 1975 - RESERVE BANK OF AUSTRALIA.

(C) BREAK IN CONTINUITY OF SERIES - SEE EXPLANATORY NOTES.



HOUSING FINANCE FOR OWNER OCCUPATION - LOANS APPROVED TO INDIVIDUALS  
TOTAL VALUE OF LOANS APPROVED (A)  
PERMANENT BUILDING SOCIETIES  
\$ MILLION



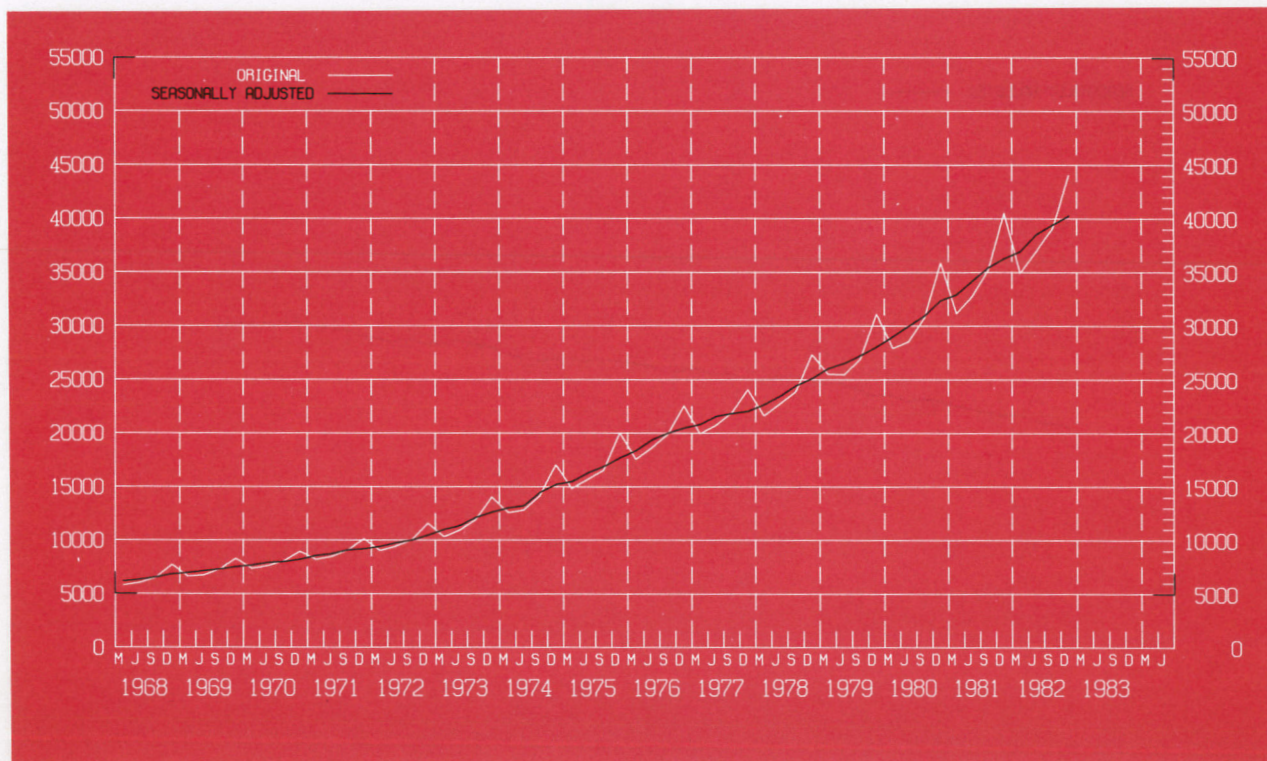
YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
ORIGINAL												
1969					28.3	25.4	32.3	35.8	36.4	44.3	39.4	39.4
1970	28.2	33.3	29.8	23.2	14.9	11.5	21.6	26.3	33.7	36.0	42.6	39.4
1971	34.1	34.9	37.6	37.6	36.4	41.1	50.3	50.2	57.6	53.7	57.1	52.5
1972	43.9	55.7	58.3	53.0	69.1	70.3	79.6	92.9	106.1	108.3	117.3	93.9
1973	95.3	113.6	128.9	78.4	77.7	54.2	63.4	88.1	82.6	84.5	66.8	42.7
1974	46.7	59.7	66.7	59.2	64.7	31.0	44.5	38.3	41.9	36.8	33.4	28.3
1975	32.2	57.5	67.6	91.1	113.3	122.5	127.3	134.8	152.3	171.7B	168.3	150.0
1976	133.2	127.1	122.6	88.9	90.8	82.2	95.5	110.5	128.4	133.6	150.2	131.7
1977	111.3	134.3	150.1	121.9	148.8	138.2	156.0	174.1	166.4	134.2	144.4	127.0
1978	120.6	133.9	132.0	126.8	147.3	137.4	146.0	166.7	161.0	174.1	191.4	161.9
1979	169.6	200.9	212.0	171.1	178.9	162.7	161.5	174.6	169.1	203.0	209.1	158.6
1980	178.9	221.3	235.3	210.1	239.4	205.0	247.8	227.4	247.4	257.4	244.3	224.8
1981	192.6	177.3	185.5	154.5	130.6	125.4	153.5	146.4	152.3	150.8	170.7	161.2
1982	142.8	161.2	191.0	141.6	124.0	113.4	105.4	111.3	106.4	112.3	126.8	125.1
1983	121.9	194.7	218.0									
SEASONALLY ADJUSTED												
1969					34.3	32.5	33.2	34.4	31.3	36.8	34.4	36.7
1970	32.3	32.8	32.4	24.9	18.3	14.2	21.5	25.3	28.8	31.0	36.3	38.1
1971	40.7	34.5	35.6	43.0	43.6	50.2	52.3	47.2	48.9	47.7	48.2	51.1
1972	53.2	53.6	56.5	62.3	74.8	82.9	85.7	84.6	91.8	95.3	100.8	101.9
1973	109.2	112.2	122.2	91.2	81.5	64.1	66.4	78.2	76.4	71.8	58.0	48.3
1974	54.4	59.5	64.9	66.6	63.3	38.1	44.6	35.1	37.8	32.0	30.4	32.0
1975	36.3	56.9	71.2	93.9	112.2	142.5	128.5	130.2	136.8	148.8B	161.8	158.5
1976	152.1	124.9	112.1	97.6	94.7	91.6	96.8	106.6	116.2	126.5	133.6	135.1
1977	130.9	132.8	136.6	139.2	150.3	152.5	164.5	164.3	152.5	128.5	128.7	133.5
1978	135.9	132.2	128.7	138.0	144.6	151.9	154.0	158.9	156.5	163.0	168.0	174.5
1979	182.4	197.7	193.3	191.8	176.7	189.6	165.2	166.2	173.2	185.1	182.3	169.4
1980	189.8	206.9	219.2	227.4	245.8	239.6	246.6	236.9	239.6	233.5	230.9	223.0
1981	208.2	174.1	165.1	163.7	140.4	143.6	151.5	153.0	148.5	142.6	153.6	159.0
1982	159.9	158.1	162.4	149.7	133.9	130.6	108.6	113.1	102.6	110.7	111.4	121.9
1983	136.4	190.0	183.7									

(A) INCLUDES LOANS APPROVED FOR THE CONSTRUCTION OF DWELLINGS, PURCHASE OF NEWLY  
ERECTED DWELLINGS AND PURCHASE OF ESTABLISHED DWELLINGS.  
(B) BREAK IN CONTINUITY OF SERIES - SEE EXPLANATORY NOTES.



GROSS DOMESTIC PRODUCT  
AT CURRENT PRICES

\$ MILLION



YEAR	MAR. QTR	JUN. QTR	SEP. QTR	DEC. QTR
ORIGINAL				
1968	5787	6017	6498	7708
1969	6634	6722	7308	8285
1970	7338	7614	8078	8955
1971	8208	8496	9095	10124
1972	9019	9442	10040	11584
1973	10322	10961	11928	14030
1974	12571	12837	14174	17037
1975	14854	15708	16584	20036
1976	17553	18653	19914	22560
1977	19943	20748	21913	24062
1978	21618	22747	23911	27337
1979	25492	25485	26945	31107
1980	27904	28531	30765	35864
1981	31151	32783	35210	40531
1982	34899	36936	39066	44085

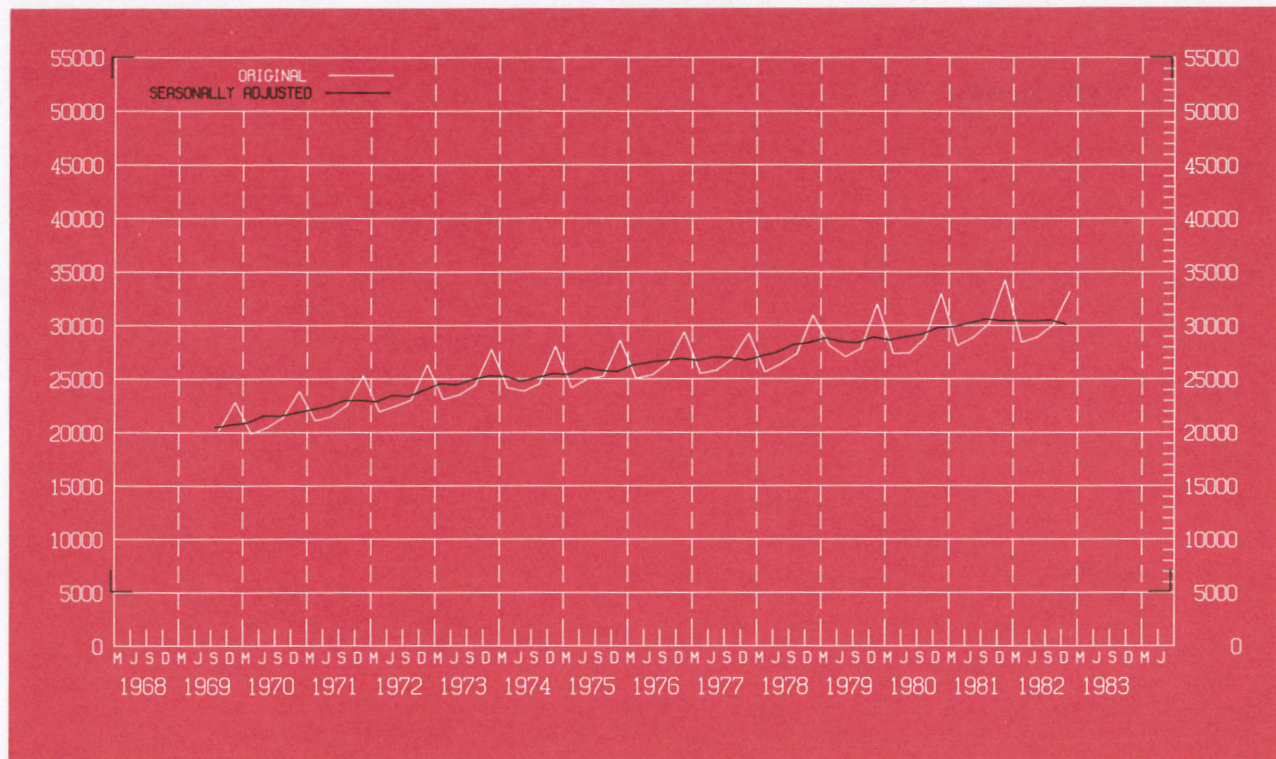
## SEASONALLY ADJUSTED

1968	6188	6347	6567	6871
1969	7005	7169	7337	7550
1970	7711	7952	8059	8259
1971	8610	8776	9154	9252
1972	9438	9790	10059	10526
1973	11043	11420	12198	12693
1974	13093	13298	14566	15294
1975	15587	16402	16992	17800
1976	18476	19482	20106	20582
1977	20919	21653	21925	22119
1978	22753	23548	24521	25200
1979	26133	26602	27335	28137
1980	29084	30052	31017	32439
1981	32994	34269	35537	36369
1982	37024	38605	39491	40356



GROSS DOMESTIC PRODUCT  
AT AVERAGE 1979-80 PRICES

\$ MILLION



YEAR	MAR. QTR	JUN. QTR	SEP. QTR	DEC. QTR
		ORIGINAL		
1969			20172	22822
1970	19883	20443	21365	23822
1971	21084	21475	22554	25302
1972	21926	22460	23030	26312
1973	23071	23522	24460	27741
1974	24140	23837	24534	28032
1975	24156	25009	25244	28603
1976	25057	25377	26469	29365
1977	25495	25798	26882	29205
1978	25627	26379	27361	30931
1979	28093	27042	27816	31946
1980	27344	27381	28782	32959
1981	28067	28851	30132	34189
1982	28392	28907	30075	33130

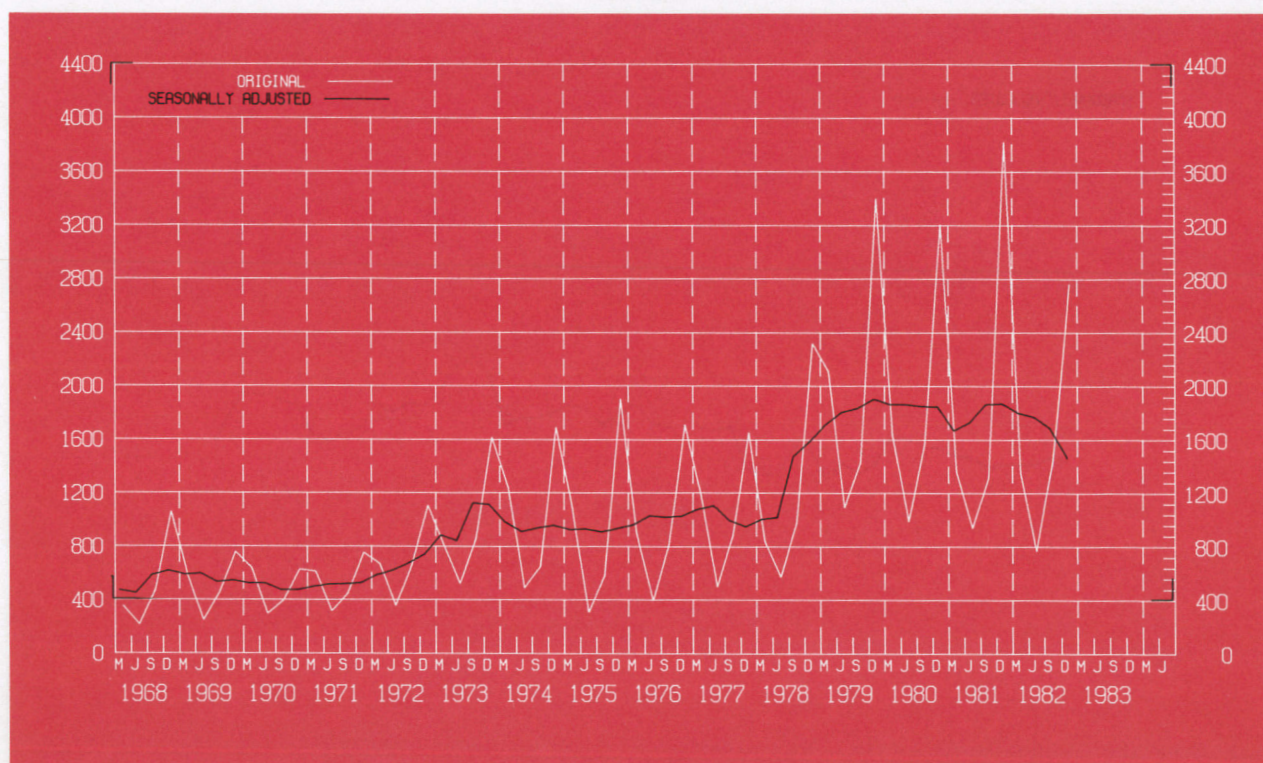
## SEASONALLY ADJUSTED

1969			20385	20642
1970	20814	21469	21432	21756
1971	22081	22346	22895	22915
1972	22834	23389	23289	23899
1973	24534	24398	24911	25250
1974	25199	24718	25039	25442
1975	25362	25965	25727	25622
1976	26252	26501	26679	26852
1977	26678	26977	26896	26684
1978	27074	27415	28133	28331
1979	28771	28387	28288	28818
1980	28562	28841	29069	29689
1981	29807	30157	30500	30343
1982	30373	30333	30424	29991



GROSS FARM PRODUCT  
AT CURRENT PRICES

\$ MILLION



YEAR	MAR. QTR	JUN. QTR	SEP. QTR	DEC. QTR
ORIGINAL				
1968	350	213	469	1058
1969	580	248	453	756
1970	633	295	396	625
1971	608	314	448	749
1972	665	355	657	1104
1973	805	519	857	1612
1974	1242	488	647	1690
1975	1082	305	580	1900
1976	891	394	805	1709
1977	1179	498	875	1651
1978	836	571	976	2316
1979	2107	1090	1426	3398
1980	1632	988	1559	3207
1981	1355	937	1310	3821
1982	1347	766	1431	2761

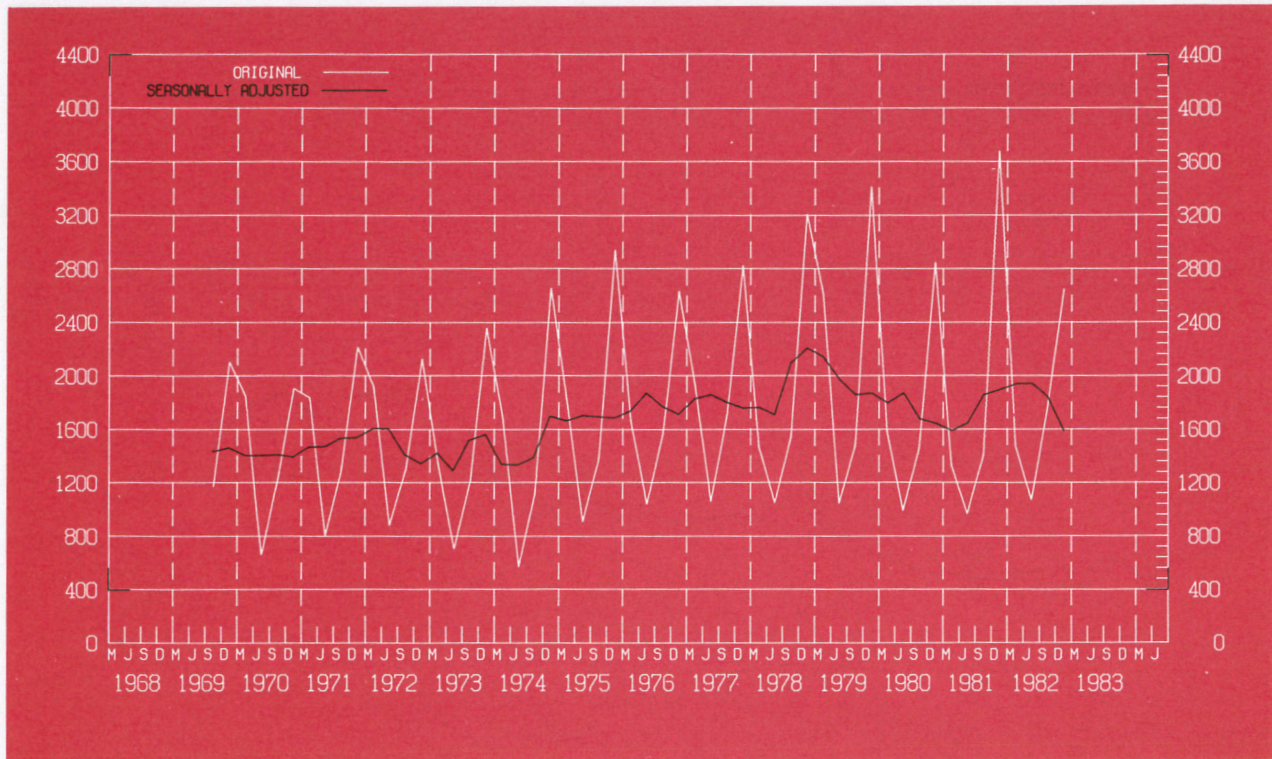
## SEASONALLY ADJUSTED

1968	463	444	580	611
1969	582	592	528	540
1970	517	518	468	467
1971	494	512	514	522
1972	582	618	672	738
1973	877	836	1120	1107
1974	976	904	931	952
1975	920	924	902	927
1976	956	1024	1014	1021
1977	1073	1099	988	941
1978	998	1011	1469	1577
1979	1704	1797	1827	1895
1980	1856	1855	1842	1837
1981	1659	1722	1858	1864
1982	1792	1760	1677	1456



GROSS FARM PRODUCT  
AT AVERAGE 1979-80 PRICES

\$ MILLION



YEAR	MAR. QTR	JUN. QTR	SEP. QTR	DEC. QTR
ORIGINAL				
1969			1170	2100
1970	1840	657	1206	1901
1971	1832	800	1292	2211
1972	1916	878	1297	2124
1973	1338	702	1205	2353
1974	1687	567	1116	2653
1975	1801	904	1375	2938
1976	1648	1035	1564	2627
1977	1927	1056	1702	2822
1978	1459	1046	1537	3206
1979	2616	1043	1471	3409
1980	1577	987	1454	2845
1981	1327	964	1402	3678
1982	1472	1070	1763	2646

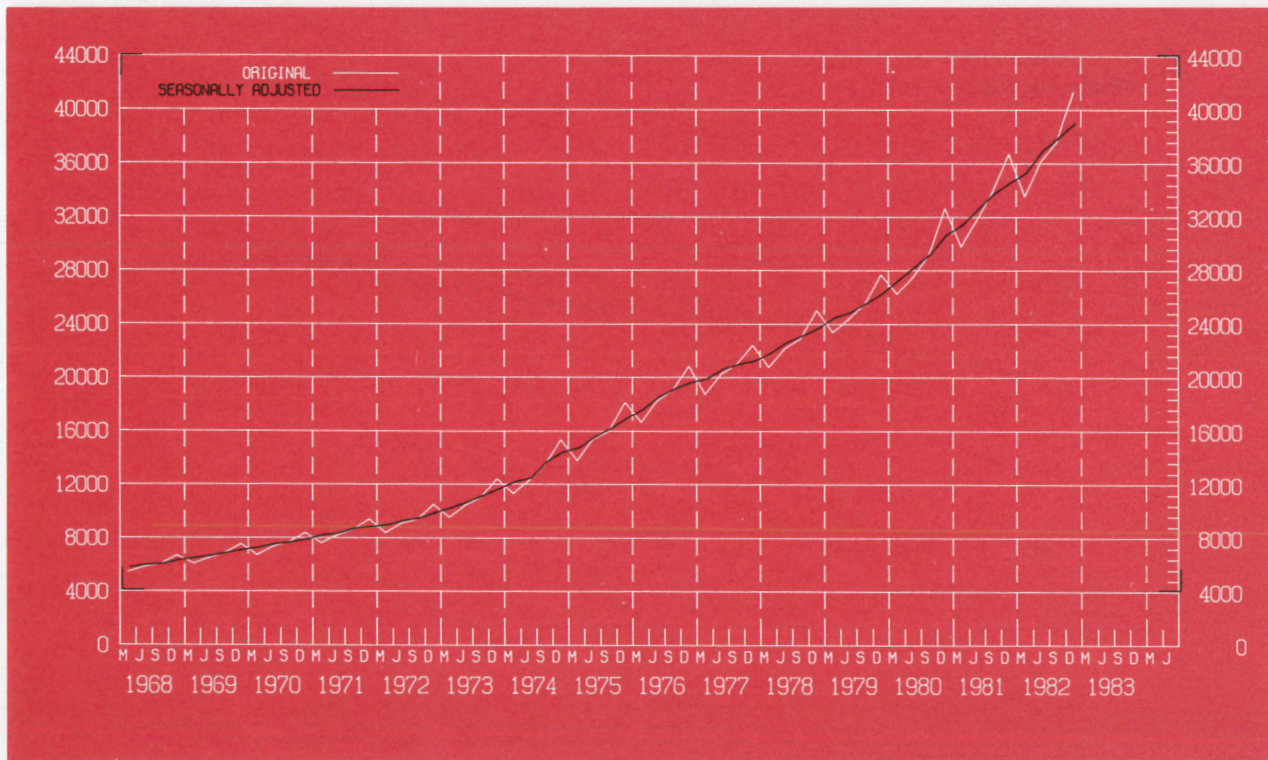
## SEASONALLY ADJUSTED

1969			1436	1464
1970	1405	1405	1412	1393
1971	1470	1471	1536	1539
1972	1607	1606	1410	1343
1973	1423	1290	1519	1564
1974	1338	1333	1390	1697
1975	1664	1704	1693	1686
1976	1737	1872	1770	1711
1977	1829	1859	1802	1759
1978	1766	1709	2100	2210
1979	2146	1978	1862	1873
1980	1800	1875	1680	1645
1981	1591	1651	1863	1901
1982	1943	1947	1848	1589



GROSS NON-FARM PRODUCT  
AT CURRENT PRICES

\$ MILLION



YEAR	MAR. QTR	JUN. QTR	SEP. QTR	DEC. QTR
	ORIGINAL			
1968	5437	5804	6029	6650
1969	6054	6474	6855	7529
1970	6705	7319	7682	8330
1971	7600	8182	8647	9375
1972	8354	9087	9383	10480
1973	9517	10442	11071	12418
1974	11329	12349	13527	15347
1975	13772	15403	16004	18136
1976	16662	18259	19109	20851
1977	18764	20250	21038	22411
1978	20782	22176	22935	25021
1979	23385	24395	25519	27709
1980	26272	27543	29206	32657
1981	29796	31846	33900	36710
1982	33552	36170	37635	41324

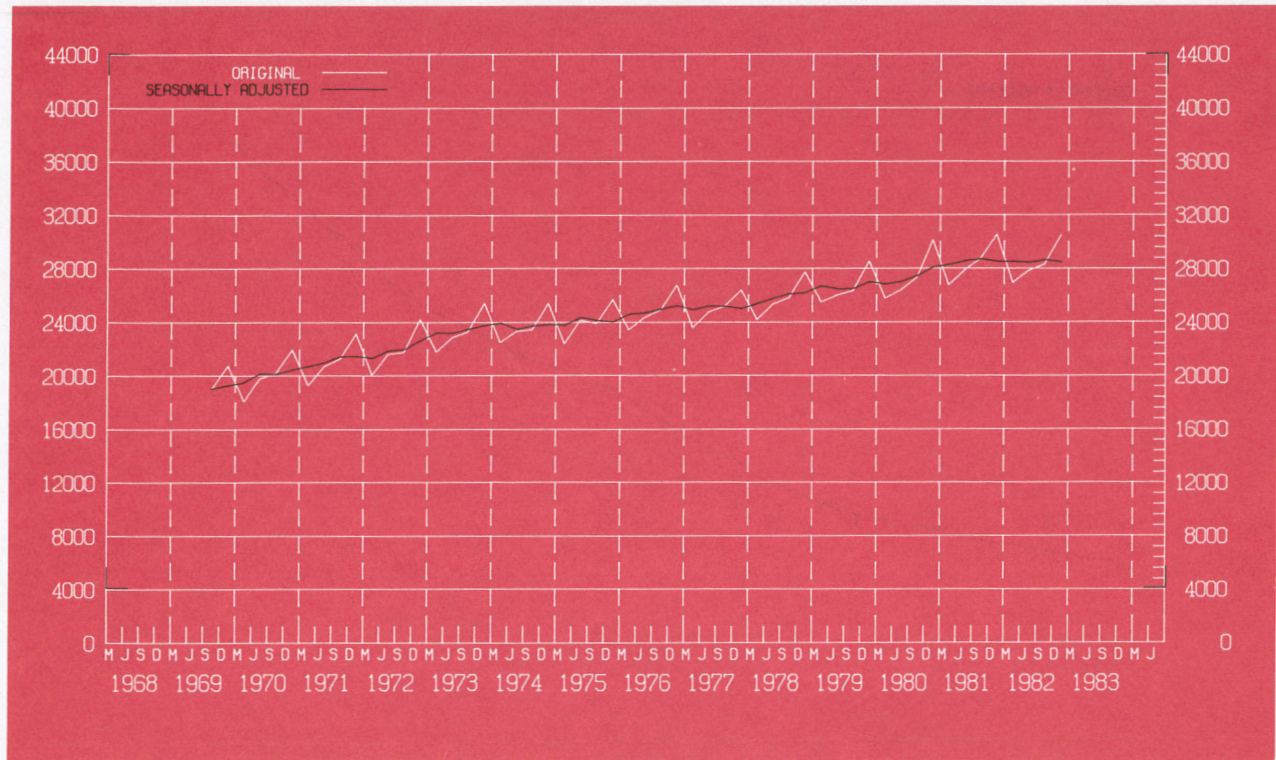
## SEASONALLY ADJUSTED

1968	5725	5903	5987	6260
1969	6423	6577	6809	7010
1970	7194	7434	7591	7792
1971	8116	8264	8640	8730
1972	8856	9172	9387	9788
1973	10166	10584	11078	11586
1974	12117	12394	13635	14342
1975	14667	15478	16090	16873
1976	17520	18458	19092	19561
1977	19846	20554	20937	21178
1978	21755	22537	23052	23623
1979	24429	24805	25508	26242
1980	27228	28197	29175	30602
1981	31335	32547	33679	34505
1982	35232	36845	37814	38900



GROSS NON-FARM PRODUCT  
AT AVERAGE 1979-80 PRICES

\$ MILLION



YEAR	MAR. QTR	JUN. QTR	SEP. QTR	DEC. QTR
	ORIGINAL			
1969			19002	20722
1970	18043	19786	20159	21921
1971	19252	20675	21262	23091
1972	20010	21582	21733	24188
1973	21733	22820	23255	25388
1974	22453	23270	23418	25379
1975	22355	24105	23869	25665
1976	23409	24342	24905	26738
1977	23568	24742	25180	26383
1978	24168	25333	25824	27725
1979	25477	25999	26345	28537
1980	25767	26394	27328	30114
1981	26740	27887	28730	30511
1982	26920	27837	28312	30484

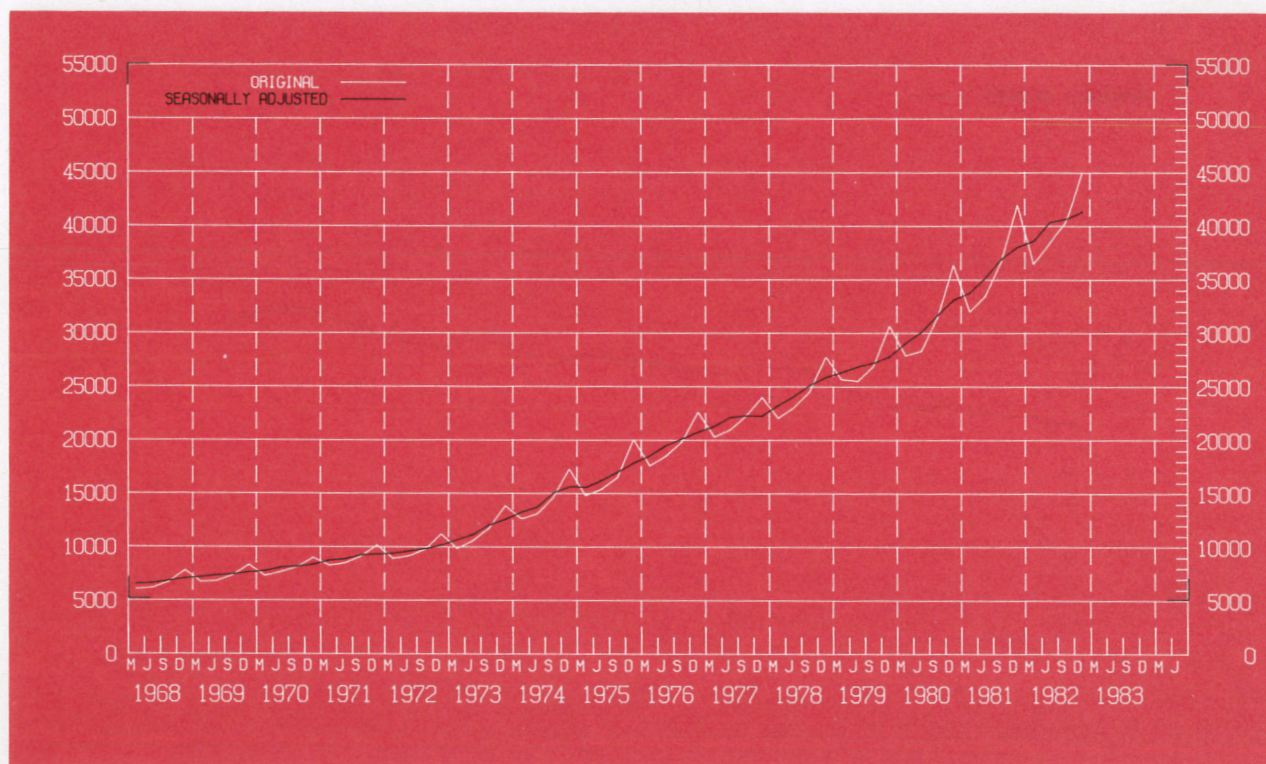
## SEASONALLY ADJUSTED

1969			18949	19178
1970	19409	20064	20020	20363
1971	20611	20875	21359	21376
1972	21227	21783	21879	22556
1973	23111	23108	23392	23686
1974	23861	23385	23649	23745
1975	23698	24261	24034	23936
1976	24515	24629	24909	25141
1977	24849	25118	25094	24925
1978	25308	25706	26033	26121
1979	26625	26409	26426	26945
1980	26762	26966	27389	28044
1981	28216	28506	28637	28442
1982	28430	28386	28576	28402



GROSS NATIONAL EXPENDITURE  
AT CURRENT PRICES

\$ MILLION



YEAR	MAR. QTR	JUN. QTR	SEP. QTR	DEC. QTR
	ORIGINAL			
1968	6028	6151	6700	7769
1969	6690	6794	7338	8310
1970	7281	7638	8104	8967
1971	8258	8468	9096	10127
1972	8909	9160	9739	11166
1973	9836	10575	11752	13851
1974	12630	13105	14632	17271
1975	14795	15400	16519	20017
1976	17606	18515	19852	22599
1977	20311	20985	22268	23998
1978	22047	23059	24544	27786
1979	25685	25492	26913	30650
1980	27900	28356	31474	36341
1981	32012	33481	36685	41987
1982	36453	38356	40386	44898

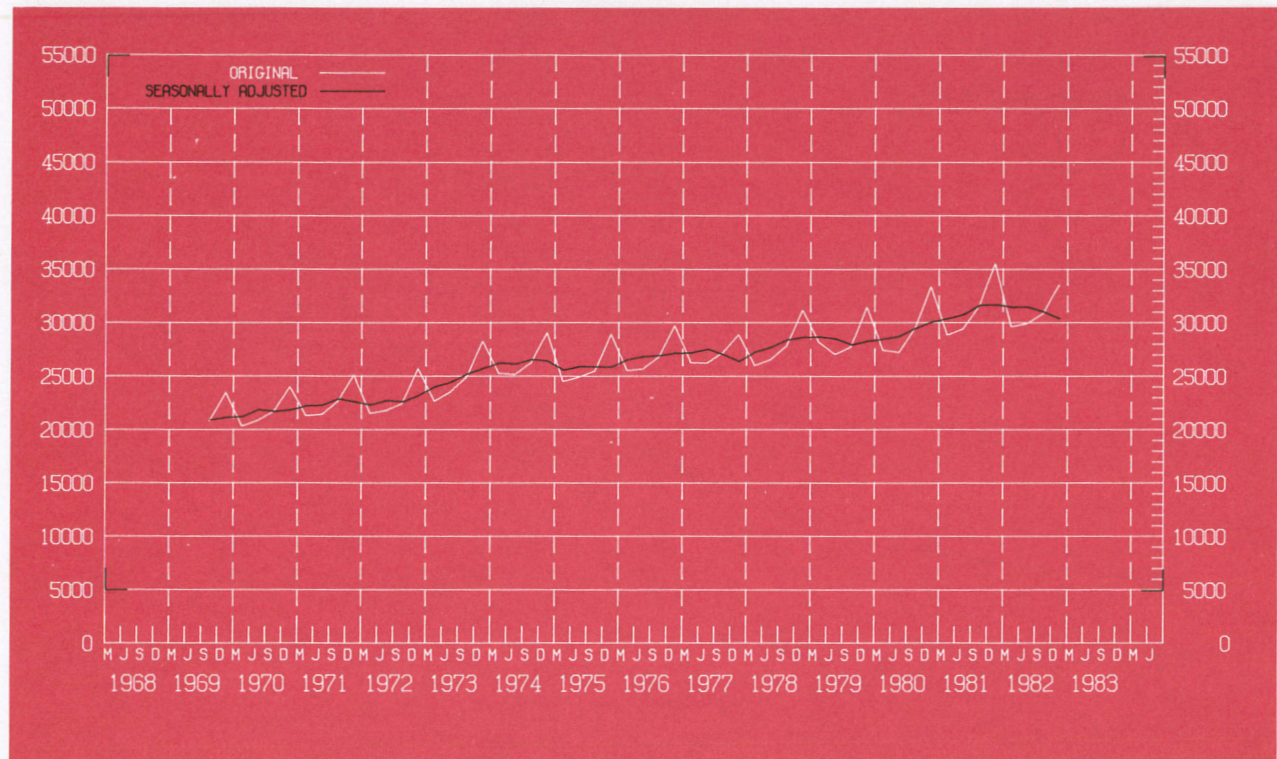
## SEASONALLY ADJUSTED

1968	6434	6489	6729	6958
1969	7066	7244	7362	7556
1970	7651	7985	8083	8269
1971	8645	8764	9161	9237
1972	9300	9522	9762	10086
1973	10566	11066	11963	12508
1974	13180	13645	14978	15557
1975	15472	16141	16932	17782
1976	18449	19392	20037	20642
1977	21172	22013	22180	22139
1978	23118	23983	25028	25764
1979	26244	26772	27130	27734
1980	28980	30032	31605	33019
1981	33685	35112	36848	37942
1982	38526	40258	40578	41259



GROSS NATIONAL EXPENDITURE  
AT AVERAGE 1979-80 PRICES

\$ MILLION



YEAR	MAR. QTR	JUN. QTR	SEP. QTR	DEC. QTR
	ORIGINAL			
1969			20763	23423
1970	20303	20855	21695	23969
1971	21277	21398	22629	25095
1972	21492	21769	22420	25695
1973	22653	23534	24909	28248
1974	25246	25160	26241	29052
1975	24494	24923	25491	28904
1976	25528	25666	26821	29705
1977	26245	26225	27210	28866
1978	25995	26570	27862	31181
1979	28182	27039	27741	31447
1980	27432	27199	29443	33380
1981	28842	29417	31539	35518
1982	29626	29918	30880	33517

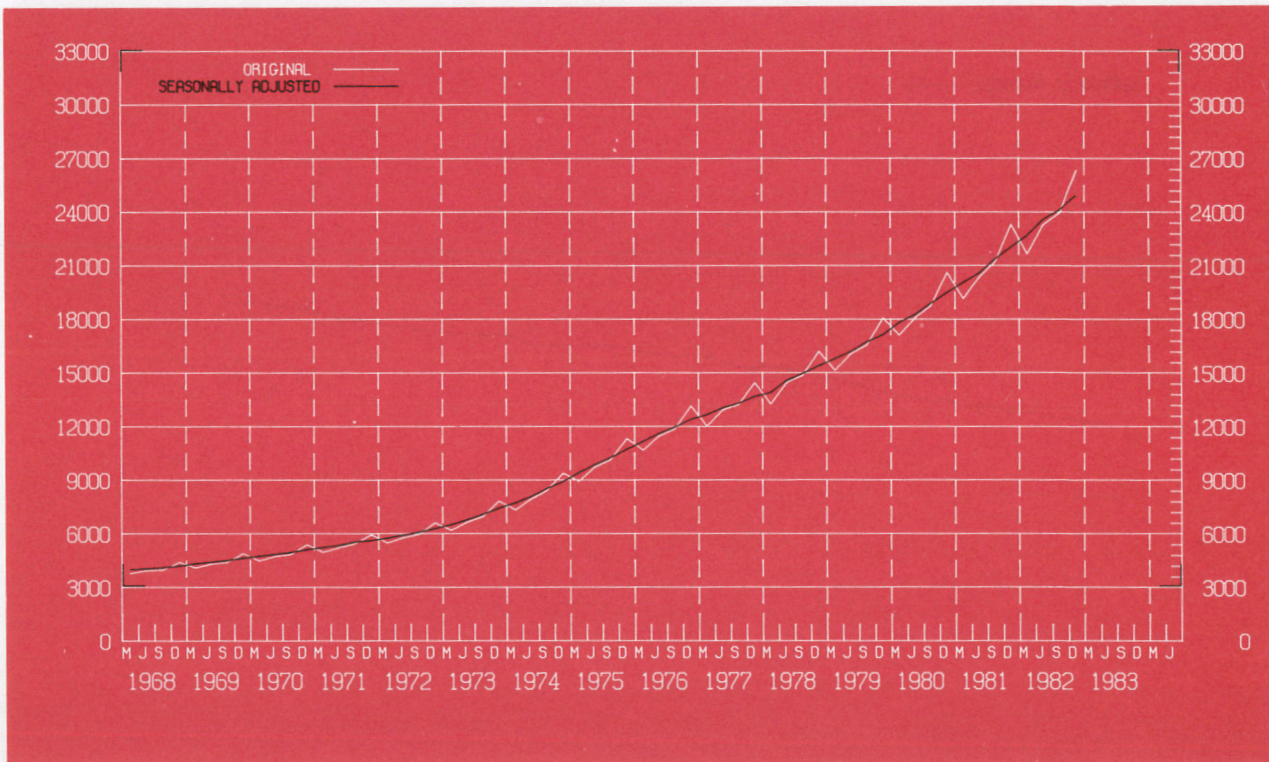
## SEASONALLY ADJUSTED

1969			20939	21181
1970	21251	21912	21718	21885
1971	22263	22330	22936	22639
1972	22350	22776	22660	23241
1973	24080	24490	25269	25793
1974	26297	26188	26630	26486
1975	25634	25973	25951	25915
1976	26617	26902	26999	27214
1977	27256	27597	27085	26446
1978	27338	27788	28483	28729
1979	28744	28575	28025	28379
1980	28560	28822	29571	30187
1981	30470	30881	31749	31774
1982	31560	31549	31067	30446



FINAL CONSUMPTION EXPENDITURE - PRIVATE  
AT CURRENT PRICES

\$ MILLION



YEAR	MAR. QTR	JUN. QTR	SEP. QTR	DEC. QTR
		ORIGINAL		
1968	3777	3939	3981	4411
1969	4093	4310	4389	4884
1970	4492	4733	4839	5391
1971	4960	5238	5455	5950
1972	5495	5790	5992	6612
1973	6193	6655	6972	7826
1974	7334	7954	8440	9394
1975	8936	9744	10169	11318
1976	10667	11476	11875	13136
1977	12012	12930	13239	14439
1978	13239	14470	14880	16201
1979	15131	16074	16580	18060
1980	17107	18082	18776	20607
1981	19145	20362	21218	23289
1982	21649	23266	23955	26345

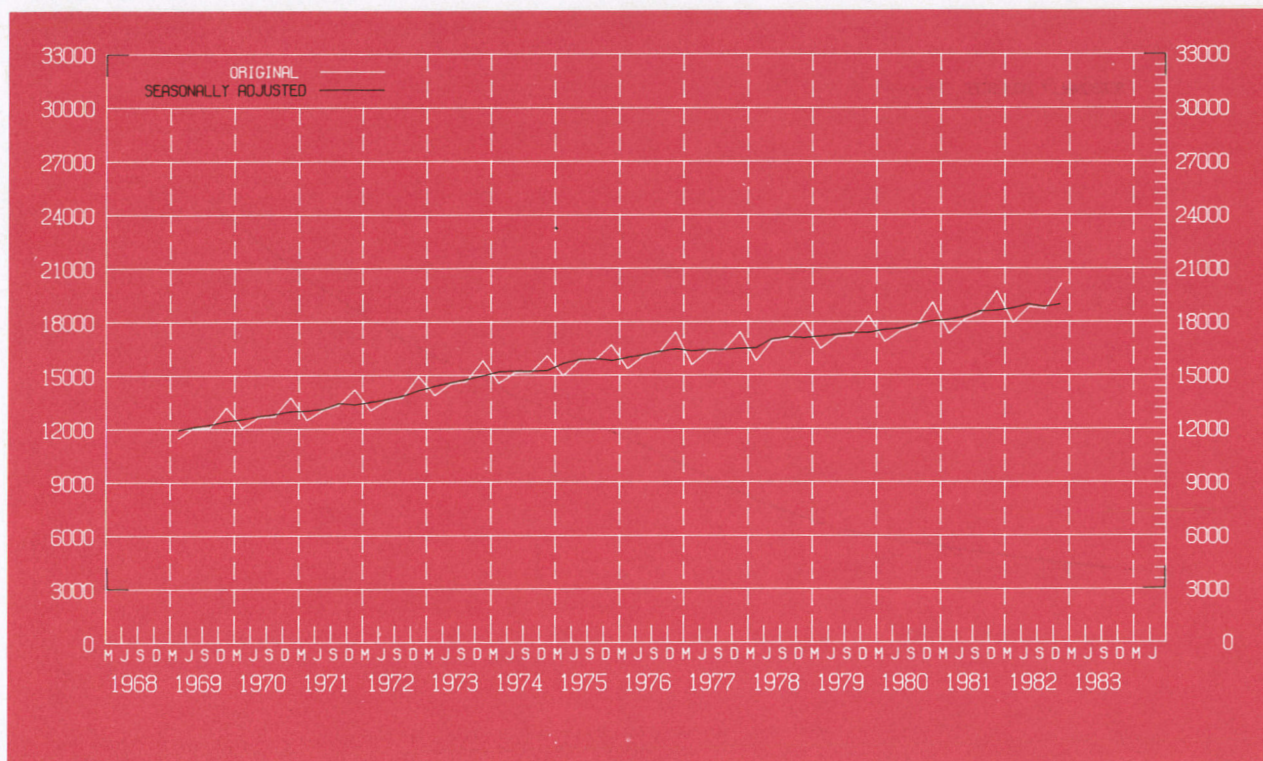
SEASONALLY ADJUSTED

1968	3911	3978	4030	4138
1969	4264	4357	4442	4580
1970	4684	4787	4886	5054
1971	5175	5298	5496	5569
1972	5702	5859	6036	6234
1973	6447	6722	7041	7373
1974	7683	8030	8489	8867
1975	9372	9819	10228	10673
1976	11127	11561	11935	12382
1977	12634	13019	13271	13655
1978	13874	14564	14951	15395
1979	15782	16190	16725	17108
1980	17793	18239	18889	19477
1981	20019	20556	21325	22005
1982	22632	23503	24061	24886



FINAL CONSUMPTION EXPENDITURE - PRIVATE  
AT AVERAGE 1979-80 PRICES

\$ MILLION



YEAR	MAR. QTR	JUN. QTR	SEP. QTR	DEC. QTR
	ORIGINAL			
1969			12089	13186
1970	12059	12631	12688	13758
1971	12485	13034	13318	14194
1972	13026	13557	13740	14936
1973	13855	14517	14655	15806
1974	14536	15130	15150	16066
1975	14959	15794	15850	16683
1976	15346	16057	16264	17399
1977	15558	16324	16383	17394
1978	15780	16902	17035	17934
1979	16467	17146	17197	18301
1980	16864	17467	17730	19044
1981	17302	18097	18439	19682
1982	17913	18806	18692	20095

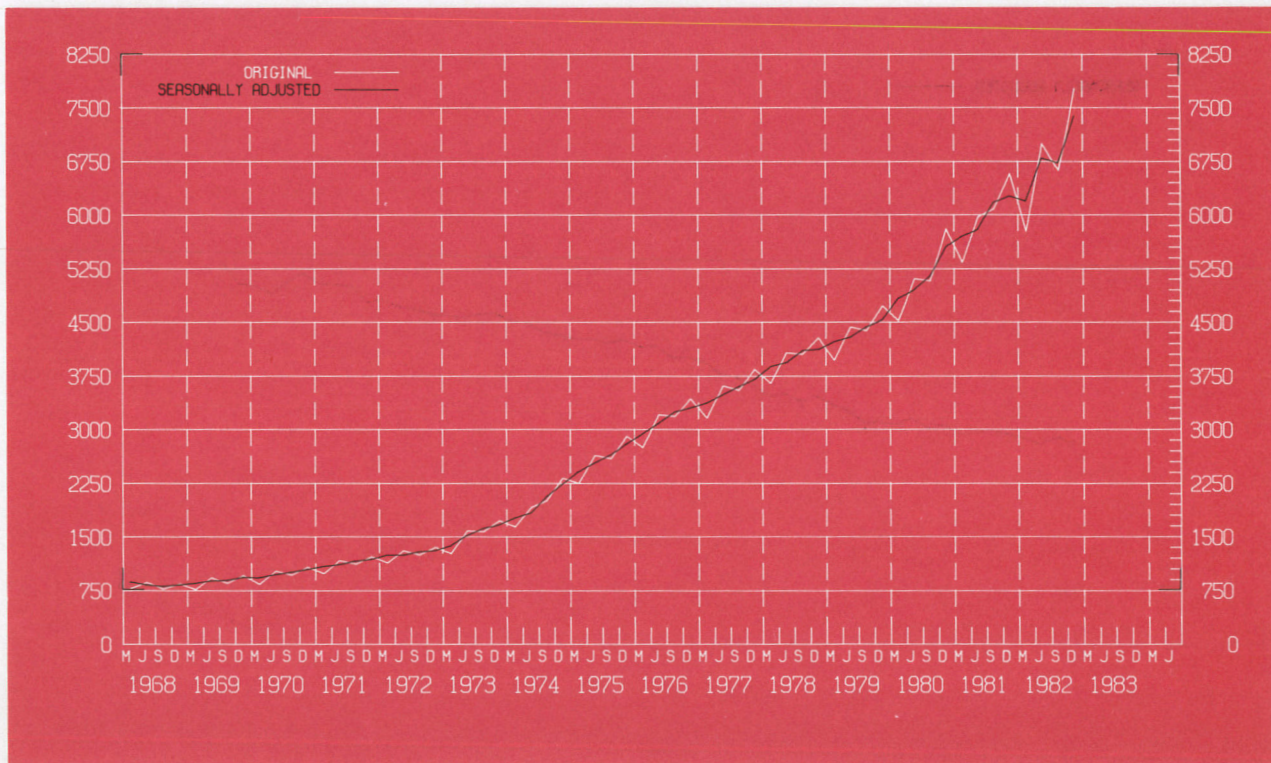
## SEASONALLY ADJUSTED

1969			12243	12440
1970	12542	12702	12816	12972
1971	13009	13113	13424	13357
1972	13504	13652	13850	14142
1973	14406	14599	14769	14976
1974	15204	15227	15210	15252
1975	15654	15881	15922	15810
1976	15987	16144	16323	16452
1977	16340	16423	16407	16490
1978	16509	17007	17111	17074
1979	17167	17245	17360	17354
1980	17535	17591	17851	18013
1981	18089	18238	18560	18601
1982	18729	18959	18816	18961



FINAL CONSUMPTION EXPENDITURE - GOVERNMENT  
AT CURRENT PRICES

\$ MILLION



YEAR	MAR. QTR	JUN. QTR	SEP. QTR	DEC. QTR
	ORIGINAL			
1968	781	864	769	845
1969	760	925	850	959
1970	835	1021	966	1077
1971	987	1166	1122	1223
1972	1138	1304	1249	1352
1973	1266	1583	1572	1724
1974	1637	1908	2010	2322
1975	2245	2637	2593	2905
1976	2750	3208	3185	3432
1977	3163	3610	3547	3844
1978	3647	4071	4055	4281
1979	3972	4432	4380	4727
1980	4523	5106	5076	5804
1981	5335	5974	6088	6577
1982	5772	6999	6627	7770

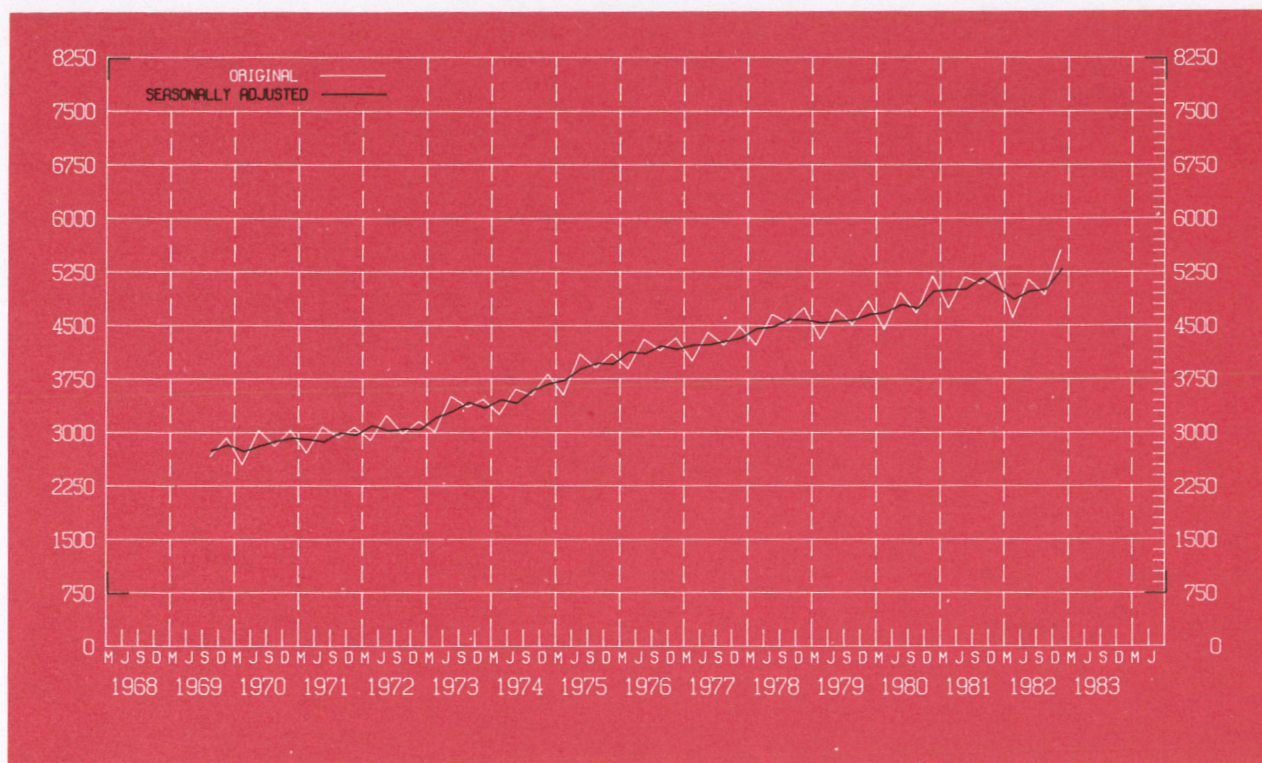
SEASONALLY ADJUSTED

1968	851	811	789	809
1969	831	868	872	920
1970	910	958	991	1033
1971	1074	1098	1149	1174
1972	1233	1232	1278	1298
1973	1364	1506	1604	1658
1974	1755	1823	2051	2232
1975	2403	2528	2641	2792
1976	2936	3084	3239	3301
1977	3369	3484	3596	3700
1978	3881	3937	4102	4120
1979	4230	4294	4432	4534
1980	4829	4950	5138	5555
1981	5699	5792	6172	6264
1982	6186	6790	6723	7385



FINAL CONSUMPTION EXPENDITURE - GOVERNMENT  
AT AVERAGE 1979-80 PRICES

\$ MILLION



YEAR	MAR. QTR	JUN. QTR	SEP. QTR	DEC. QTR
	ORIGINAL			
1969			2667	2923
1970	2546	3025	2802	3026
1971	2706	3076	2924	3071
1972	2889	3231	2977	3150
1973	3002	3500	3353	3460
1974	3249	3601	3519	3812
1975	3517	4096	3904	4098
1976	3893	4300	4143	4319
1977	3999	4399	4219	4476
1978	4220	4651	4527	4744
1979	4300	4719	4509	4838
1980	4435	4954	4666	5188
1981	4738	5171	5079	5250
1982	4598	5140	4924	5548

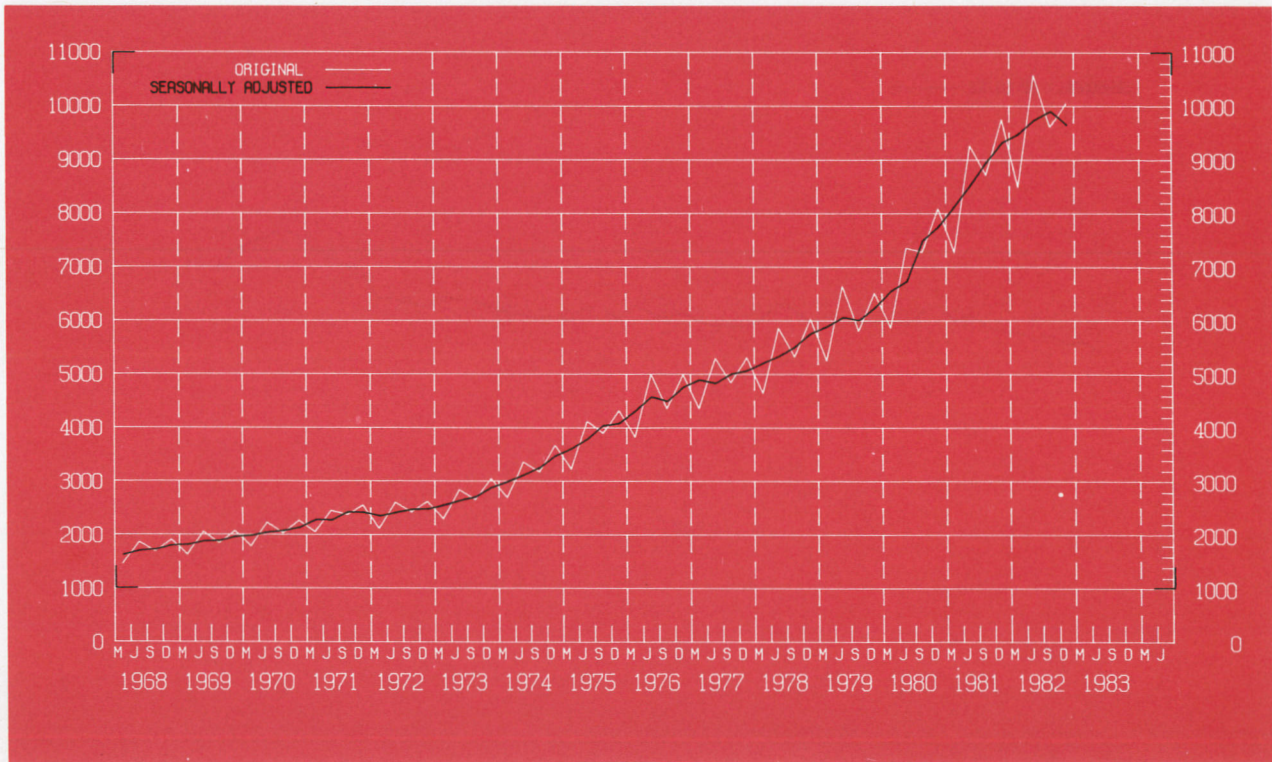
SEASONALLY ADJUSTED

1969			2755	2838
1970	2744	2822	2889	2933
1971	2915	2879	3009	2975
1972	3108	3035	3059	3051
1973	3220	3306	3433	3352
1974	3468	3420	3602	3692
1975	3745	3908	3984	3966
1976	4136	4119	4221	4178
1977	4234	4236	4288	4331
1978	4463	4490	4595	4588
1979	4543	4568	4581	4661
1980	4693	4799	4745	4988
1981	5008	5016	5173	5027
1982	4870	4993	5016	5302



GROSS FIXED CAPITAL EXPENDITURE - TOTAL  
AT CURRENT PRICES

\$ MILLION



YEAR	MAR. QTR	JUN. QTR	SEP. QTR	DEC. QTR
ORIGINAL				
1968	1459	1857	1684	1900
1969	1627	2044	1839	2065
1970	1780	2222	2027	2258
1971	2045	2443	2368	2549
1972	2109	2599	2418	2618
1973	2295	2837	2654	3044
1974	2689	3357	3175	3672
1975	3226	4116	3895	4316
1976	3818	5001	4354	4993
1977	4354	5295	4840	5308
1978	4639	5858	5324	6028
1979	5253	6645	5806	6515
1980	5865	7356	7279	8088
1981	7275	9266	8717	9755
1982	8483	10573	9614	10048

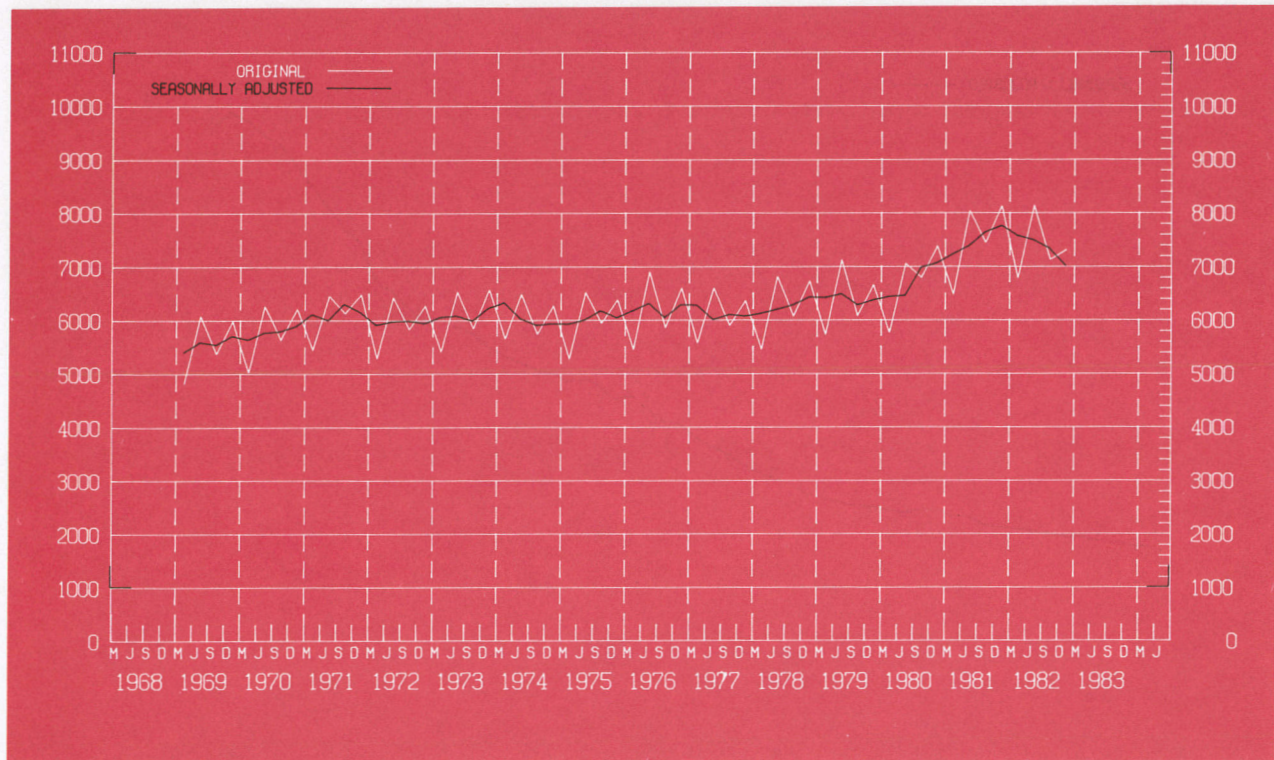
## SEASONALLY ADJUSTED

1968	1631	1709	1732	1811
1969	1820	1885	1893	1970
1970	1991	2051	2081	2141
1971	2287	2273	2430	2418
1972	2353	2422	2480	2485
1973	2561	2645	2714	2888
1974	3002	3125	3261	3480
1975	3615	3792	4043	4087
1976	4313	4576	4490	4759
1977	4897	4828	5003	5069
1978	5208	5335	5509	5761
1979	5890	6058	5998	6244
1980	6557	6737	7489	7754
1981	8132	8524	8957	9318
1982	9474	9736	9893	9639



GROSS FIXED CAPITAL EXPENDITURE - TOTAL  
AT AVERAGE 1979-80 PRICES

\$ MILLION



YEAR	MAR. QTR	JUN. QTR	SEP. QTR	DEC. QTR
		ORIGINAL		
1969			5368	5978
1970	5026	6259	5628	6207
1971	5446	6451	6124	6482
1972	5284	6426	5825	6263
1973	5409	6531	5839	6568
1974	5648	6485	5736	6264
1975	5276	6522	5939	6381
1976	5454	6905	5854	6598
1977	5569	6600	5894	6360
1978	5449	6813	6069	6729
1979	5727	7123	6076	6653
1980	5760	7053	6792	7376
1981	6473	8035	7441	8124
1982	6779	8135	7125	7304

## SEASONALLY ADJUSTED

1969			5533	5700
1970	5628	5760	5786	5887
1971	6098	5987	6295	6147
1972	5905	5971	5979	5937
1973	6048	6075	5981	6222
1974	6324	6024	5902	5931
1975	5920	6002	6171	6038
1976	6174	6311	6045	6284
1977	6273	6007	6099	6072
1978	6126	6199	6286	6429
1979	6422	6488	6278	6376
1980	6439	6460	6987	7071
1981	7235	7391	7647	7760
1982	7571	7488	7331	7008



GROSS FIXED CAPITAL EXPENDITURE - PRIVATE  
AT CURRENT PRICES

\$ MILLION



YEAR	MAR. QTR	JUN. QTR	SEP. QTR	DEC. QTR
	ORIGINAL			
1968	944	1119	1118	1264
1969	1061	1287	1244	1346
1970	1187	1384	1360	1502
1971	1377	1598	1603	1686
1972	1374	1667	1605	1723
1973	1521	1835	1808	2062
1974	1772	2122	2079	2208
1975	1918	2331	2374	2537
1976	2421	2999	2800	3171
1977	2776	3113	3062	3255
1978	2839	3541	3498	3939
1979	3455	4200	3876	4232
1980	3838	4745	5038	5488
1981	5067	6241	6136	7627
1982	5942	7390	6406	6567

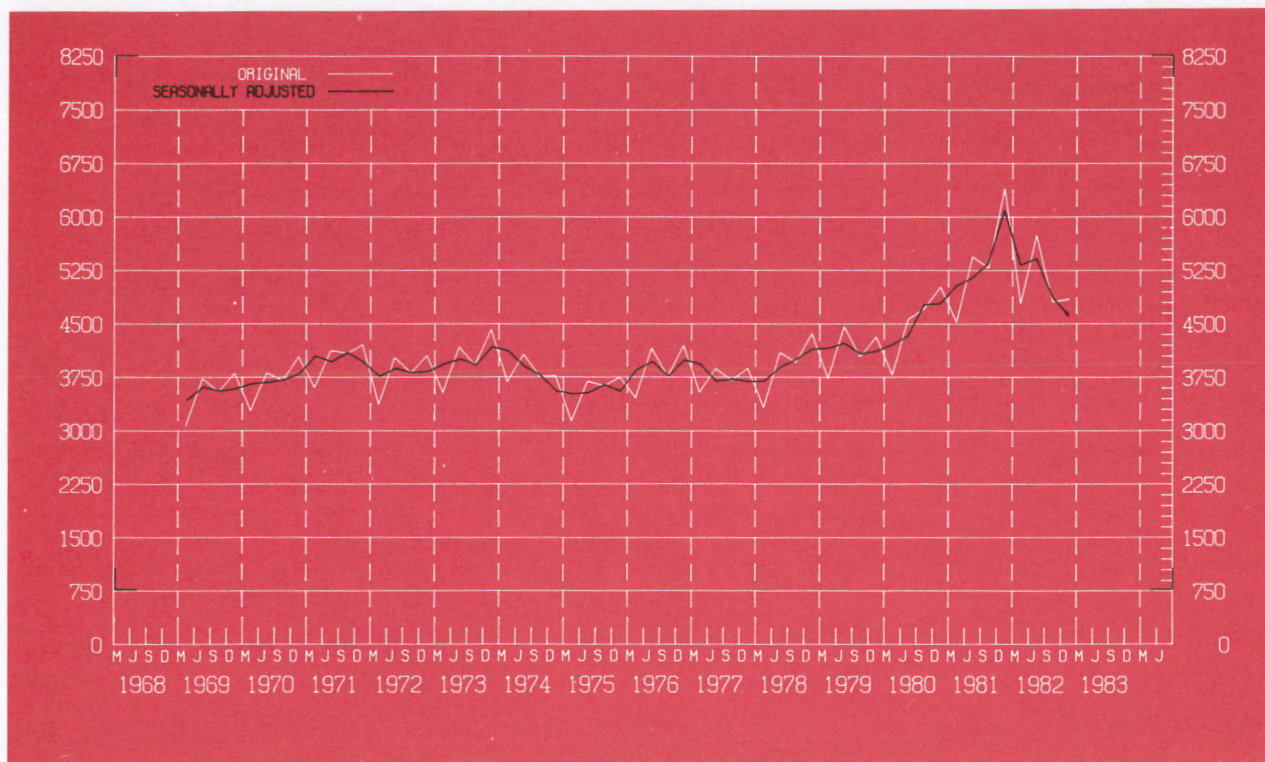
SEASONALLY ADJUSTED

1968	1049	1082	1117	1187
1969	1179	1243	1243	1266
1970	1320	1333	1361	1409
1971	1542	1534	1606	1585
1972	1534	1601	1604	1627
1973	1692	1762	1803	1951
1974	1969	2036	2078	2083
1975	2143	2228	2379	2402
1976	2685	2868	2797	3017
1977	3074	2972	3069	3093
1978	3148	3362	3526	3740
1979	3837	3976	3909	4027
1980	4257	4493	5083	5221
1981	5629	5899	6201	7251
1982	6598	6970	6475	6236



GROSS FIXED CAPITAL EXPENDITURE - PRIVATE  
AT AVERAGE 1979-80 PRICES

\$ MILLION



YEAR	MAR. QTR	JUN. QTR	SEP. QTR	DEC. QTR
		ORIGINAL		
1969			3549	3807
1970		3805	3702	4036
1971	3277	4120	4083	4203
1972	3602	4019	3810	4049
1973	3362	4165	3920	4413
1974	3527	4065	3757	3763
1975	3681	3688	3621	3746
1976	3130	4151	3753	4190
1977	3455	3865	3702	3872
1978	3537	4090	3956	4357
1979	3318	4456	4036	4312
1980	3733	4561	4715	5015
1981	3782	5435	5278	6394
1982	4520	5738	4802	4842
1983	4783			

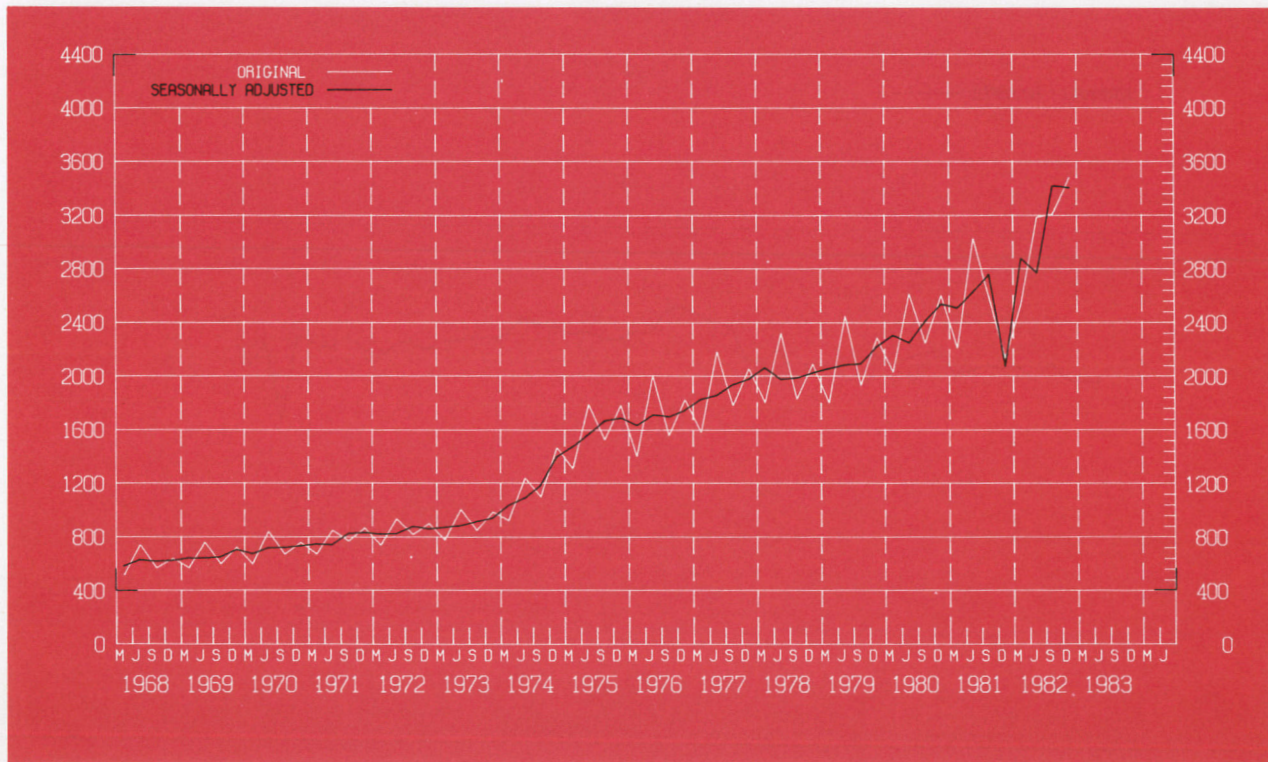
## SEASONALLY ADJUSTED

1969			3544	3579
1970		3666	3702	3786
1971	3644	3955	4088	3951
1972	4036	3862	3804	3821
1973	3754	3996	3913	4166
1974	3927	3893	3764	3544
1975	4105	3521	3635	3541
1976	3502	3962	3758	3981
1977	3842	3683	3715	3677
1978	3926	3880	3989	4135
1979	3683	4217	4070	4103
1980	4146	4319	4757	4771
1981	4195	5133	5338	6080
1982	5022	5405	4857	4601
1983	5312			



GROSS FIXED CAPITAL EXPENDITURE - PUBLIC  
AT CURRENT PRICES

\$ MILLION



YEAR	MAR. QTR	JUN. QTR	SEP. QTR	DEC. QTR
ORIGINAL				
1968	515	738	566	636
1969	566	757	595	719
1970	593	838	667	756
1971	668	845	765	863
1972	735	932	813	895
1973	774	1002	846	982
1974	917	1235	1096	1464
1975	1308	1785	1521	1779
1976	1397	2002	1554	1822
1977	1578	2182	1778	2053
1978	1800	2317	1826	2089
1979	1798	2445	1930	2283
1980	2027	2611	2241	2600
1981	2208	3025	2581	2128
1982	2541	3183	3208	3481

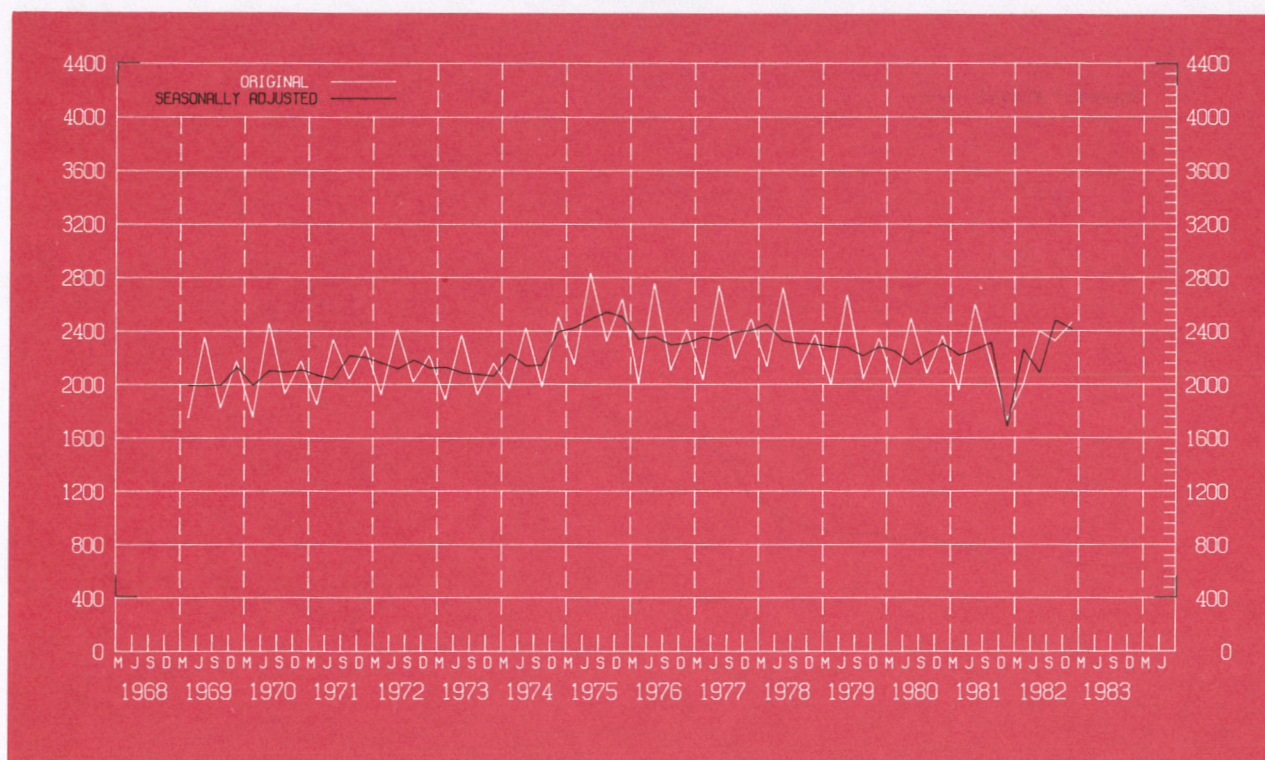
## SEASONALLY ADJUSTED

1968	582	627	615	624
1969	641	642	650	704
1970	671	718	720	732
1971	745	739	824	833
1972	819	821	876	858
1973	869	883	911	937
1974	1033	1089	1183	1397
1975	1472	1564	1664	1685
1976	1628	1708	1693	1742
1977	1823	1856	1934	1976
1978	2060	1973	1983	2021
1979	2053	2082	2089	2217
1980	2300	2244	2406	2533
1981	2503	2625	2756	2067
1982	2876	2766	3418	3403



GROSS FIXED CAPITAL EXPENDITURE - PUBLIC  
AT AVERAGE 1979-80 PRICES

\$ MILLION



YEAR	MAR. QTR	JUN. QTR	SEP. QTR	DEC. QTR
	ORIGINAL			
1969			1819	2171
1970		2454	1926	2171
1971	1749	2331	2041	2279
1972	1844	2407	2015	2214
1973	1922	2366	1919	2155
1974	1882	2420	1979	2501
1975	1967	2834	2318	2635
1976	2146	2754	2101	2408
1977	1999	2735	2192	2488
1978	2032	2723	2113	2372
1979	2131	2667	2040	2341
1980	1994	2492	2077	2361
1981	1978	2600	2163	1730
1982	1953	2397	2323	2462
1983	1996			

## SEASONALLY ADJUSTED

1969			1989	2121
1970		2094	2084	2101
1971	1984	2032	2207	2196
1972	2062	2109	2175	2116
1973	2151	2079	2068	2056
1974	2121	2131	2138	2387
1975	2219	2481	2536	2497
1976	2418	2349	2287	2303
1977	2332	2324	2384	2395
1978	2347	2319	2297	2294
1979	2443	2271	2208	2273
1980	2276	2141	2230	2300
1981	2244	2258	2309	1680
1982	2213	2083	2474	2407
1983	2259			

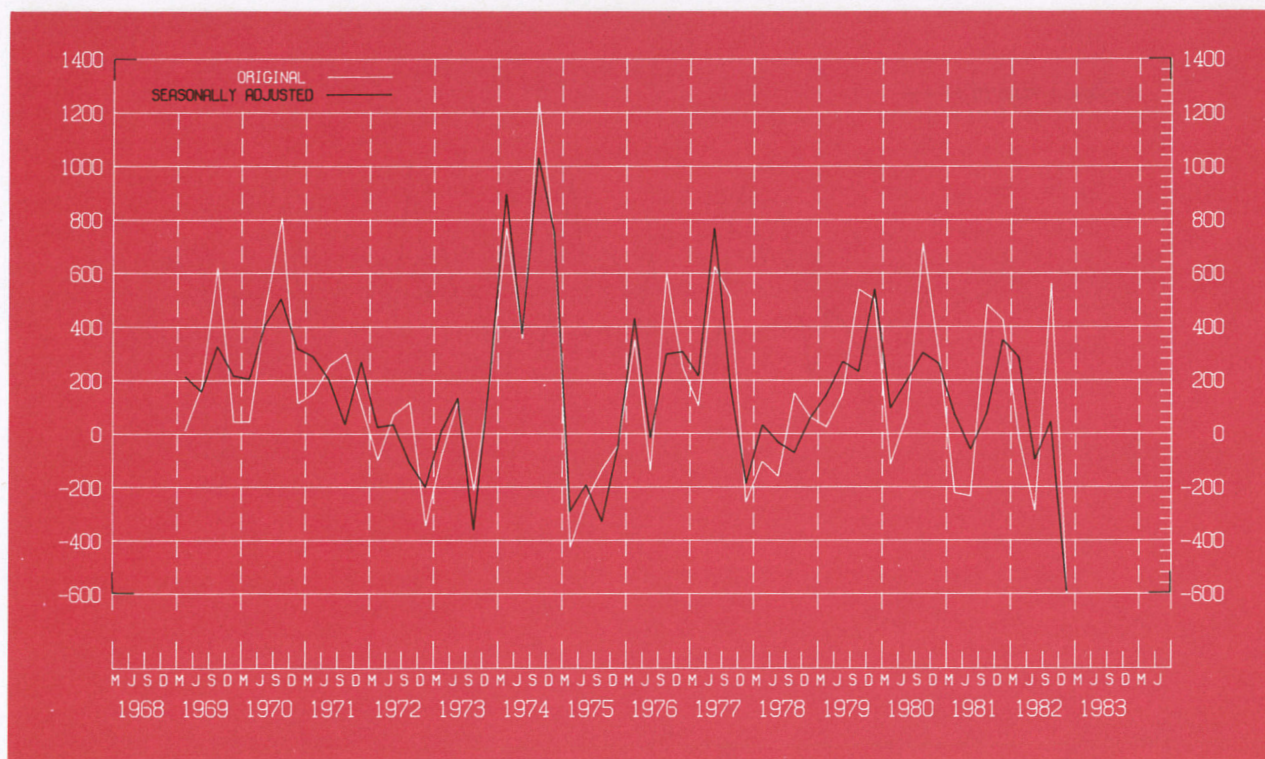






INCREASE IN STOCKS - PRIVATE NON-FARM  
AT AVERAGE 1979-80 PRICES

\$ MILLION



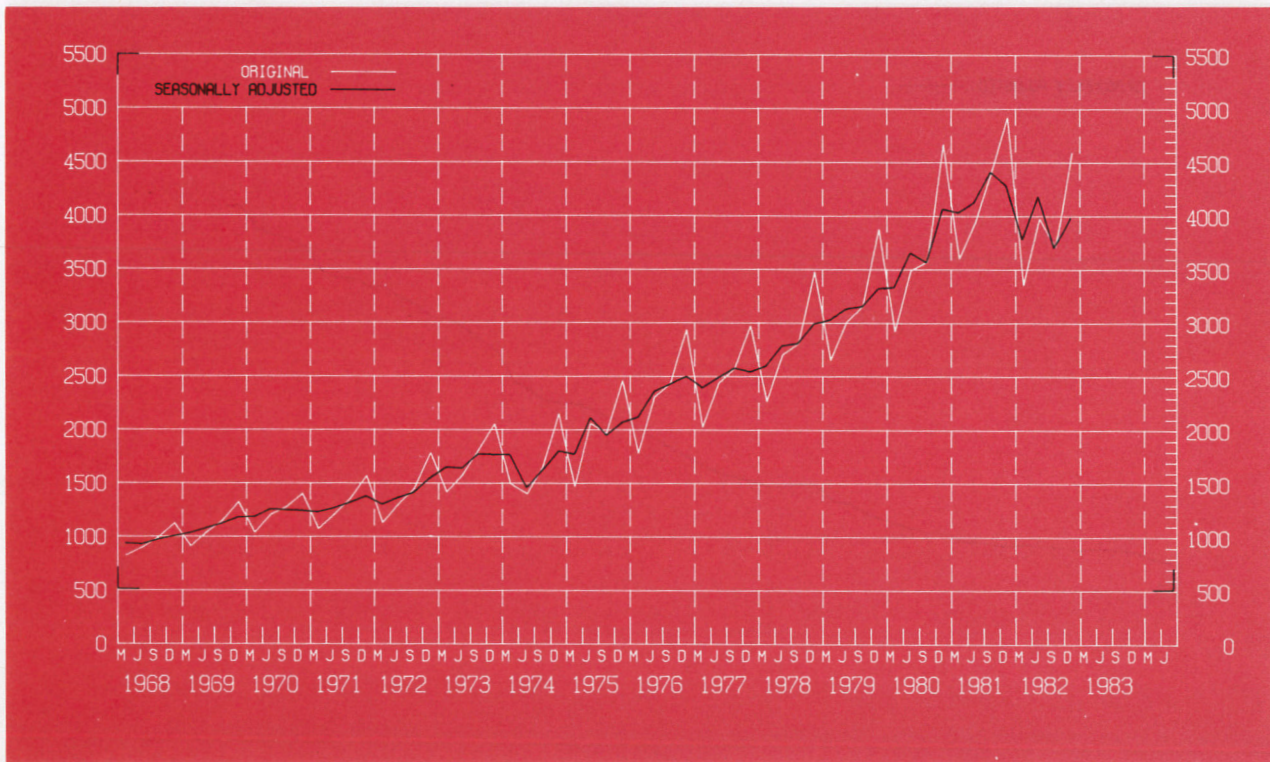
YEAR	MAR. QTR	JUN. QTR	SEP. QTR	DEC. QTR
		ORIGINAL		
1969			621	43
1970	43	476	808	114
1971	151	256	298	103
1972	-99	70	118	-346
1973	-76	121	-212	210
1974	769	355	1240	715
1975	-426	-249	-132	-40
1976	351	-138	599	248
1977	105	625	509	-257
1978	-105	-160	152	60
1979	24	147	539	500
1980	-115	63	711	301
1981	-223	-235	483	424
1982	-22	-289	562	-59

SEASONALLY ADJUSTED				
1969			325	215
1970	202	406	504	317
1971	287	199	32	267
1972	23	33	-111	-202
1973	11	131	-362	221
1974	895	371	1031	749
1975	-293	-193	-331	-43
1976	430	-18	297	306
1977	214	767	179	-187
1978	31	-34	-73	59
1979	144	268	231	540
1980	94	196	301	260
1981	69	-61	74	349
1982	283	-99	43	-591



GROSS OPERATING SURPLUS - TRADING ENTERPRISES  
COMPANIES

\$ MILLION



YEAR	MAR. QTR	JUN. QTR	SEP. QTR	DEC. QTR
		ORIGINAL		
1968	824	897	989	1122
1969	909	1039	1150	1324
1970	1038	1204	1279	1402
1971	1073	1210	1358	1571
1972	1130	1306	1453	1783
1973	1418	1578	1812	2055
1974	1494	1401	1646	2149
1975	1471	2058	1962	2461
1976	1783	2307	2437	2936
1977	2025	2438	2574	2970
1978	2264	2706	2810	3478
1979	2652	3010	3157	3876
1980	2920	3493	3574	4670
1981	3599	3940	4413	4920
1982	3354	3974	3709	4589

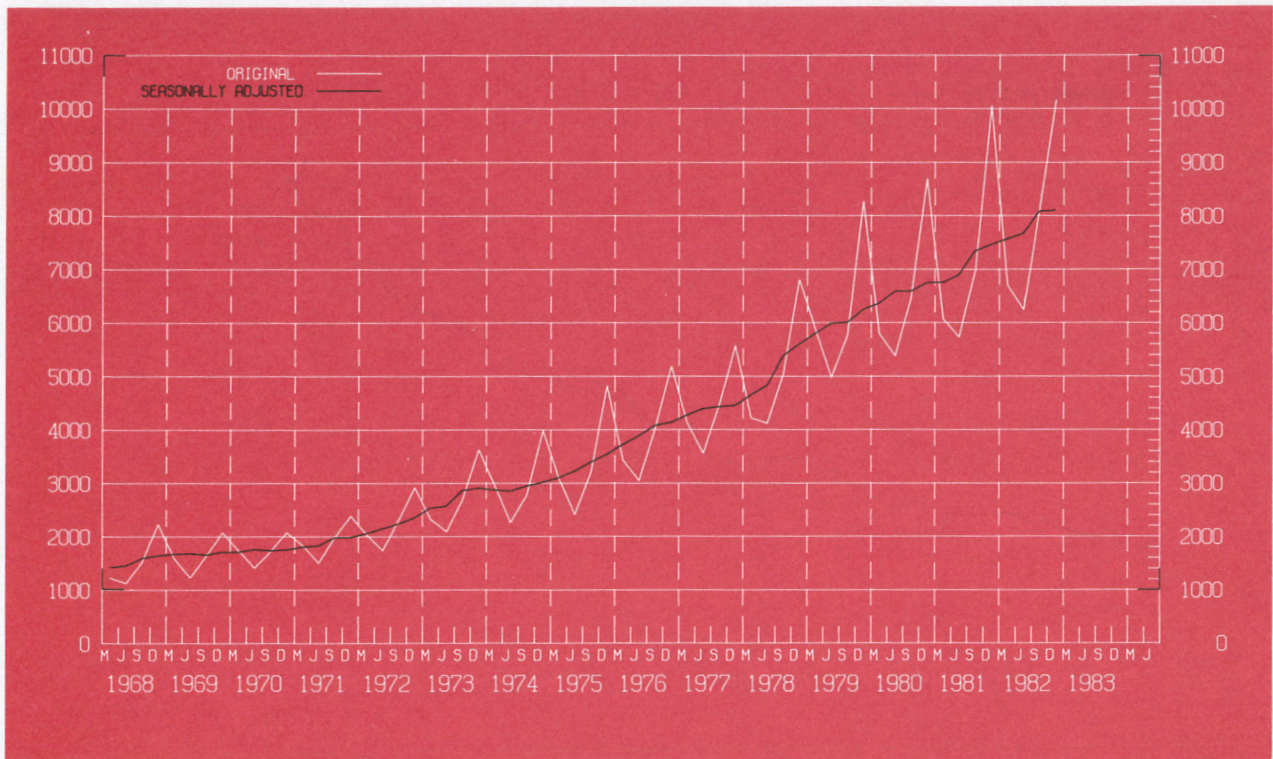
## SEASONALLY ADJUSTED

1968	930	922	967	1001
1969	1029	1076	1121	1177
1970	1179	1252	1244	1241
1971	1228	1264	1318	1378
1972	1301	1364	1414	1549
1973	1651	1640	1775	1767
1974	1768	1459	1620	1802
1975	1773	2113	1951	2076
1976	2124	2364	2436	2506
1977	2397	2496	2583	2548
1978	2604	2793	2814	2997
1979	3036	3137	3159	3327
1980	3339	3660	3570	4067
1981	4035	4134	4414	4285
1982	3779	4185	3708	3984



GROSS OPERATING SURPLUS - TRADING ENTERPRISES  
OTHER

\$ MILLION



YEAR	MAR. QTR	JUN. QTR	SEP. QTR	DEC. QTR
		ORIGINAL		
1968	1221	1119	1520	2231
1969	1580	1224	1629	2070
1970	1737	1406	1718	2069
1971	1828	1499	1979	2386
1972	2030	1734	2305	2920
1973	2317	2086	2699	3624
1974	2967	2257	2773	3985
1975	3082	2405	3211	4819
1976	3420	3038	4023	5189
1977	4118	3550	4465	5569
1978	4209	4116	5045	6806
1979	5880	4975	5757	8269
1980	5790	5369	6463	8696
1981	6060	5727	6981	10060
1982	6699	6237	8107	10162

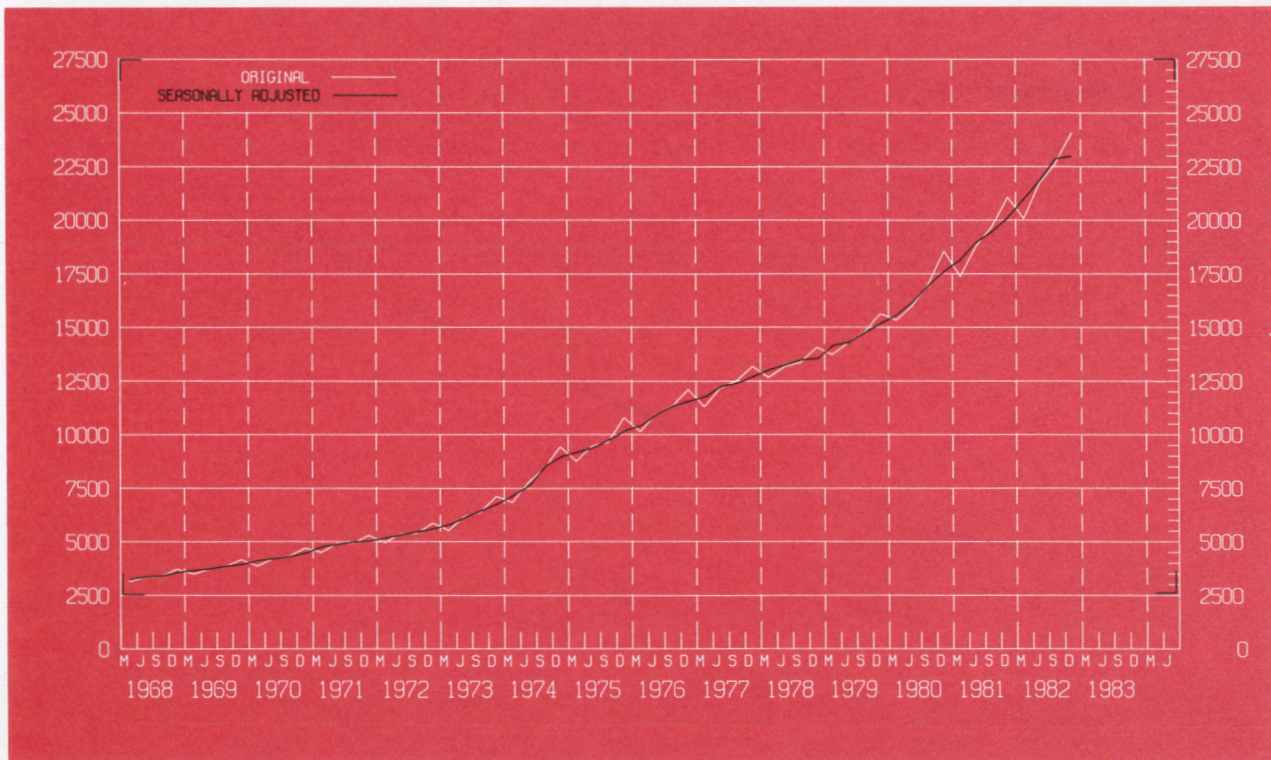
## SEASONALLY ADJUSTED

YEAR	MAR. QTR	JUN. QTR	SEP. QTR	DEC. QTR
1968	1414	1453	1589	1641
1969	1666	1676	1654	1705
1970	1706	1753	1734	1751
1971	1806	1823	1978	1979
1972	2053	2145	2234	2349
1973	2530	2566	2858	2903
1974	2869	2843	2944	3013
1975	3098	3218	3389	3542
1976	3723	3891	4078	4141
1977	4277	4395	4432	4454
1978	4656	4835	5390	5599
1979	5802	5991	6007	6252
1980	6367	6588	6591	6751
1981	6757	6896	7343	7464
1982	7572	7668	8084	8103



## WAGES, SALARIES AND SUPPLEMENTS

\$ MILLION



YEAR	MAR. QTR	JUN. QTR	SEP. QTR	DEC. QTR
		ORIGINAL		
1968	3123	3327	3390	3708
1969	3489	3716	3842	4168
1970	3861	4208	4325	4702
1971	4505	4915	4932	5305
1972	4960	5378	5384	5869
1973	5529	6184	6392	7128
1974	6837	7770	8424	9434
1975	8764	9493	9663	10797
1976	10144	10976	11343	12115
1977	11298	12170	12515	13182
1978	12657	13176	13369	14063
1979	13728	14286	14771	15630
1980	15321	15998	17007	18536
1981	17365	18782	19697	21049
1982	20054	21732	22640	24037

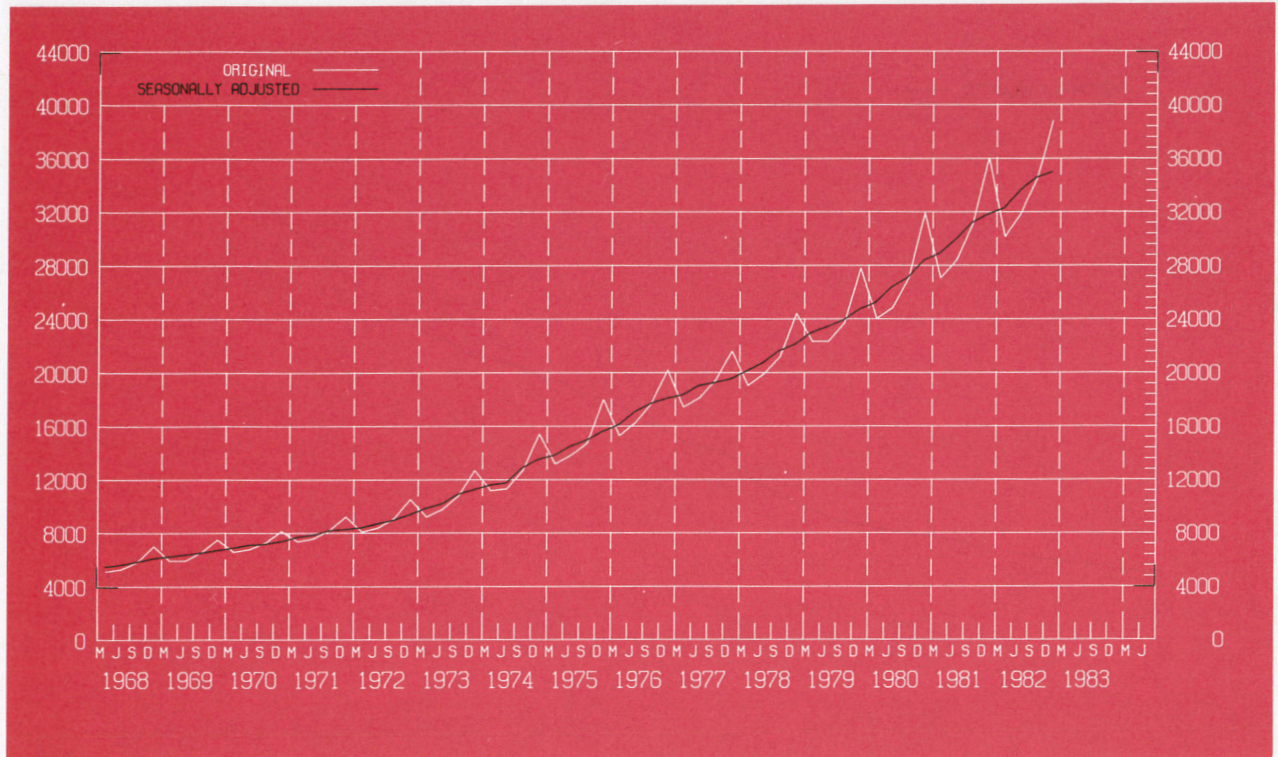
## SEASONALLY ADJUSTED

YEAR	MAR. QTR	JUN. QTR	SEP. QTR	DEC. QTR
1968	3226	3349	3389	3561
1969	3649	3723	3850	3934
1970	4112	4199	4298	4476
1971	4757	4867	4992	5019
1972	5171	5321	5466	5608
1973	5808	6163	6470	6793
1974	7193	7663	8581	8999
1975	9196	9411	9793	10207
1976	10452	11003	11358	11588
1977	11783	12281	12427	12738
1978	13055	13269	13513	13565
1979	14174	14319	14783	15200
1980	15600	16201	16984	17642
1981	18172	18991	19473	20120
1982	20994	21856	22874	22984



## GROSS DOMESTIC PRODUCT AT FACTOR COST

\$ MILLION



YEAR	MAR. QTR	JUN. QTR	SEP. QTR	DEC. QTR
	ORIGINAL			
1968	5148	5322	5875	7033
1969	5958	5955	6595	7529
1970	6608	6790	7306	8152
1971	7388	7603	8249	9246
1972	8094	8396	9101	10546
1973	9227	9791	10804	12706
1974	11179	11324	12691	15405
1975	13189	13839	14748	17982
1976	15283	16254	17707	20196
1977	17414	18110	19457	21606
1978	19042	19914	21221	24400
1979	22314	22312	23721	27794
1980	24046	24845	27061	31915
1981	27057	28427	31121	36059
1982	30137	31893	34460	38796

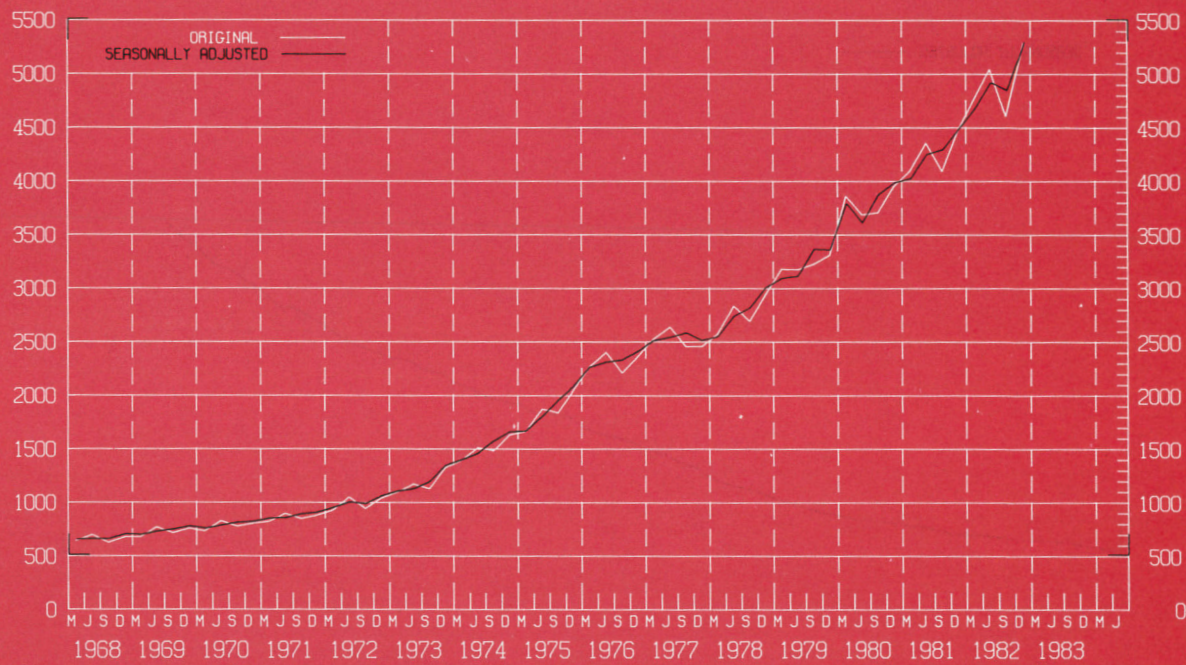
## SEASONALLY ADJUSTED

1968	5547	5703	5921	6178
1969	6321	6451	6599	6786
1970	6967	7176	7260	7450
1971	7771	7933	8275	8358
1972	8498	8801	9084	9478
1973	9951	10304	11017	11360
1974	11709	11853	13007	13648
1975	13935	14617	15060	15727
1976	16229	17187	17790	18188
1977	18422	19125	19355	19621
1978	20217	20822	21720	22209
1979	23054	23504	23986	24792
1980	25307	26457	27158	28466
1981	28982	30029	31253	31891
1982	32357	33697	34659	35069



## INDIRECT TAXES LESS SUBSIDIES

\$ MILLION



YEAR	MAR. QTR	JUN. QTR	SEP. QTR	DEC. QTR
ORIGINAL				
1968	639	695	623	675
1969	676	767	713	756
1970	730	824	772	803
1971	820	893	846	878
1972	925	1046	939	1038
1973	1095	1170	1124	1324
1974	1392	1513	1483	1632
1975	1665	1869	1836	2054
1976	2270	2399	2207	2364
1977	2529	2638	2456	2456
1978	2576	2833	2690	2937
1979	3178	3173	3224	3313
1980	3858	3686	3704	3949
1981	4094	4356	4089	4472
1982	4762	5043	4606	5289

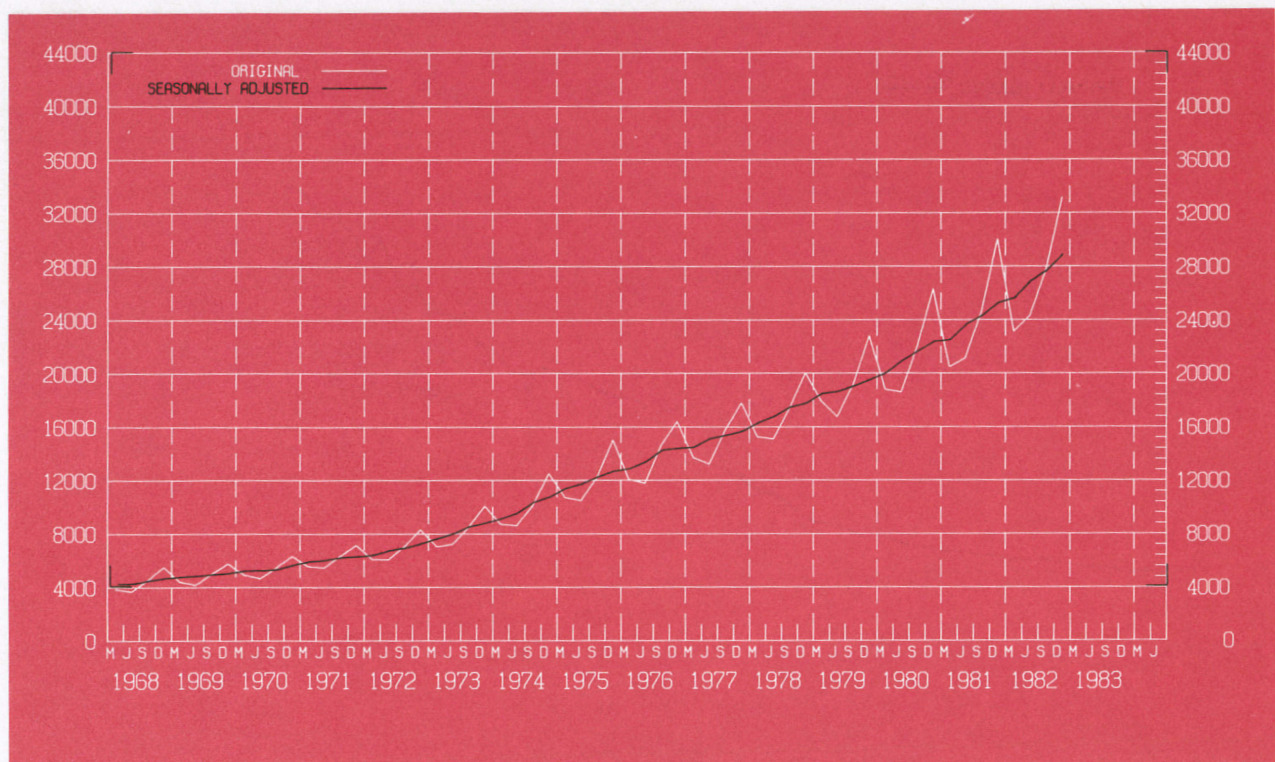
## SEASONALLY ADJUSTED

1968	641	644	646	693
1969	684	718	738	764
1970	744	776	799	809
1971	839	843	879	894
1972	940	989	975	1048
1973	1092	1116	1181	1333
1974	1384	1445	1559	1646
1975	1652	1785	1932	2073
1976	2247	2295	2316	2394
1977	2497	2528	2570	2498
1978	2536	2726	2801	2991
1979	3079	3098	3349	3345
1980	3777	3595	3859	3973
1981	4012	4240	4284	4478
1982	4667	4908	4832	5287



## HOUSEHOLD DISPOSABLE INCOME

\$ MILLION



YEAR	MAR. QTR	JUN. QTR	SEP. QTR	DEC. QTR
ORIGINAL				
1968	3819	3668	4527	5504
1969	4403	4165	4999	5756
1970	4901	4641	5443	6312
1971	5544	5458	6310	7137
1972	6072	6057	7033	8300
1973	7026	7220	8452	10080
1974	8705	8604	10138	12507
1975	10709	10486	12226	15005
1976	12048	11763	14622	16381
1977	13653	13205	15757	17756
1978	15229	15064	17343	20022
1979	17887	16695	19179	22759
1980	18766	18559	22006	26277
1981	20459	21140	24576	29998
1982	23109	24286	27638	33114

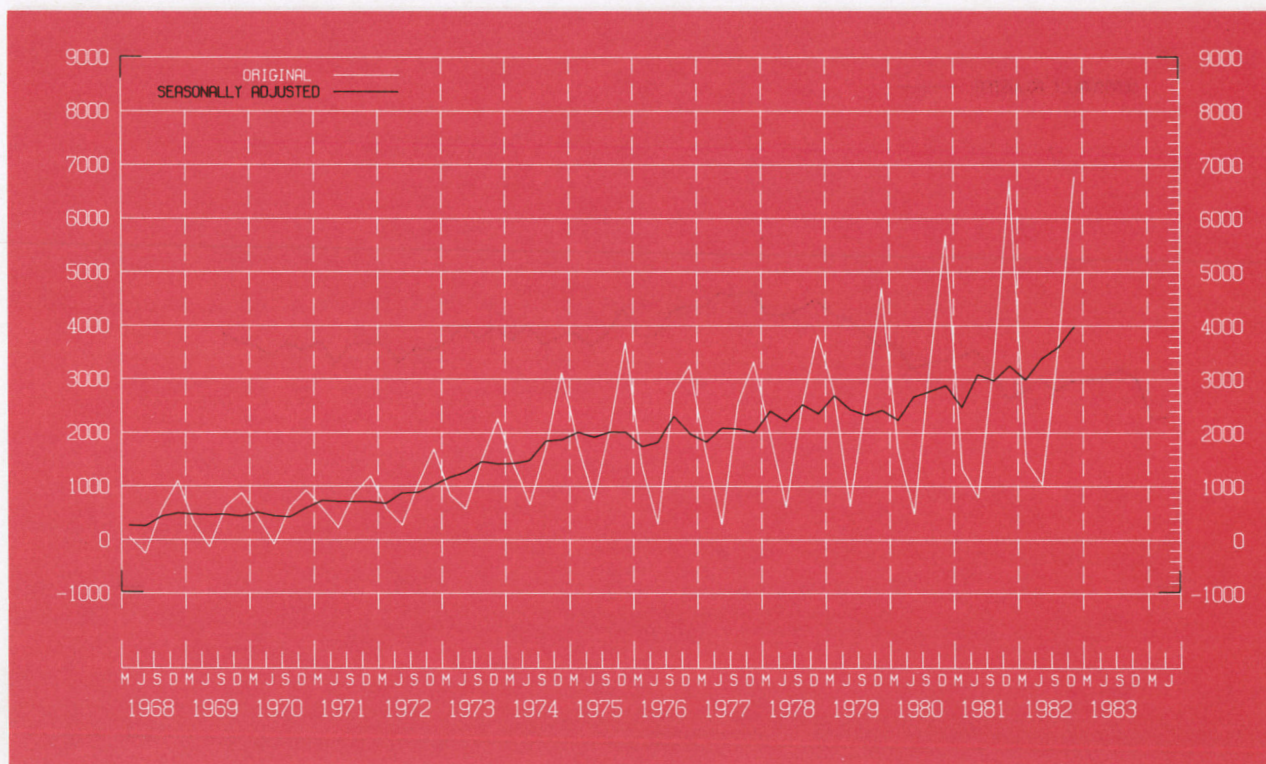
## SEASONALLY ADJUSTED

1968	4156	4208	4447	4614
1969	4719	4803	4891	4994
1970	5174	5208	5287	5624
1971	5887	5987	6180	6253
1972	6357	6709	6895	7228
1973	7592	7959	8476	8763
1974	9083	9492	10310	10714
1975	11356	11707	12216	12660
1976	12842	13362	14214	14331
1977	14434	15086	15318	15629
1978	16253	16747	17449	17727
1979	18451	18593	19026	19503
1980	20002	20892	21638	22338
1981	22467	23619	24272	25235
1982	25595	26857	27634	28841



## HOUSEHOLD SAVING

\$ MILLION



YEAR	MAR. QTR	JUN. QTR	SEP. QTR	DEC. QTR
ORIGINAL				
1968	42	-271	546	1093
1969	310	-145	610	872
1970	409	-92	604	921
1971	584	220	855	1187
1972	577	267	1041	1688
1973	833	565	1480	2254
1974	1371	650	1698	3113
1975	1773	742	2057	3687
1976	1381	287	2747	3245
1977	1641	275	2518	3317
1978	1990	594	2463	3821
1979	2756	621	2599	4699
1980	1659	477	3230	5670
1981	1314	778	3358	6709
1982	1460	1020	3683	6769

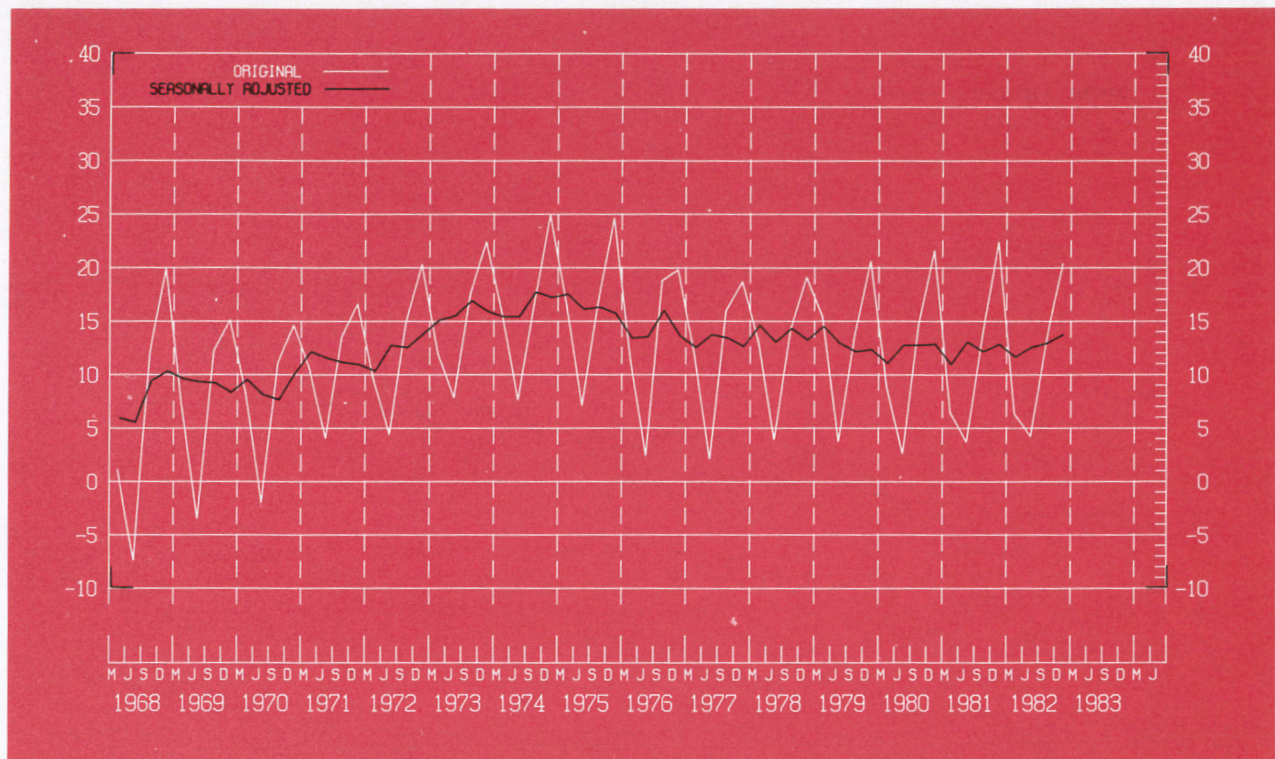
## SEASONALLY ADJUSTED

1968	245	230	417	476
1969	455	446	449	414
1970	490	421	401	570
1971	712	689	684	684
1972	655	850	859	994
1973	1145	1237	1435	1390
1974	1400	1462	1821	1847
1975	1984	1888	1988	1987
1976	1715	1801	2279	1949
1977	1800	2067	2047	1974
1978	2379	2183	2498	2332
1979	2669	2403	2301	2395
1980	2209	2653	2749	2861
1981	2448	3063	2947	3230
1982	2963	3354	3573	3955



## HOUSEHOLD SAVING RATIO

PER CENT



YEAR	MAR. QTR	JUN. QTR	SEP. QTR	DEC. QTR
ORIGINAL				
1968	1.1	-7.4	12.1	19.9
1969	7.0	-3.5	12.2	15.1
1970	8.3	-2.0	11.1	14.6
1971	10.5	4.0	13.5	16.6
1972	9.5	4.4	14.8	20.3
1973	11.9	7.8	17.5	22.4
1974	15.7	7.6	16.7	24.9
1975	16.6	7.1	16.8	24.6
1976	11.5	2.4	18.8	19.8
1977	12.0	2.1	16.0	18.7
1978	13.1	3.9	14.2	19.1
1979	15.4	3.7	13.6	20.6
1980	8.8	2.6	14.7	21.6
1981	6.4	3.7	13.7	22.4
1982	6.3	4.2	13.3	20.4

## SEASONALLY ADJUSTED

1968	5.9	5.5	9.4	10.3
1969	9.6	9.3	9.2	8.3
1970	9.5	8.1	7.6	10.1
1971	12.1	11.5	11.1	10.9
1972	10.3	12.7	12.5	13.8
1973	15.1	15.5	16.9	15.9
1974	15.4	15.4	17.7	17.2
1975	17.5	16.1	16.3	15.7
1976	13.4	13.5	16.0	13.6
1977	12.5	13.7	13.4	12.6
1978	14.6	13.0	14.3	13.2
1979	14.5	12.9	12.1	12.3
1980	11.0	12.7	12.7	12.8
1981	10.9	13.0	12.1	12.8
1982	11.6	12.5	12.9	13.7







## **SEMI—LOGARITHMIC CHARTS**

### **USE OF THE GROWTH RATE PROTRACTOR**

1. Growth rate protractors have been included in some previous editions of this publication. Protractors are available free of charge on request to any office of the ABS in a capital city. The protractor has been constructed for use with the semi-logarithmic charts shown on the following pages to assist the user to measure average annual growth rates. It can be used over any time span, including the whole of the time period shown on the graphs. Rates indicated for any period less than three

years are likely to be less accurate than those observed over longer periods, and less relevant in the context in which growth rates are usually considered.

2. In use, the protractor should be placed over the semi-logarithmic chart selected with its zero point over the chosen starting point on the graph and its vertical line parallel to the vertical lines on the chart. A growth rate reading is then taken at the point on the graph at which the observation is intended to end.

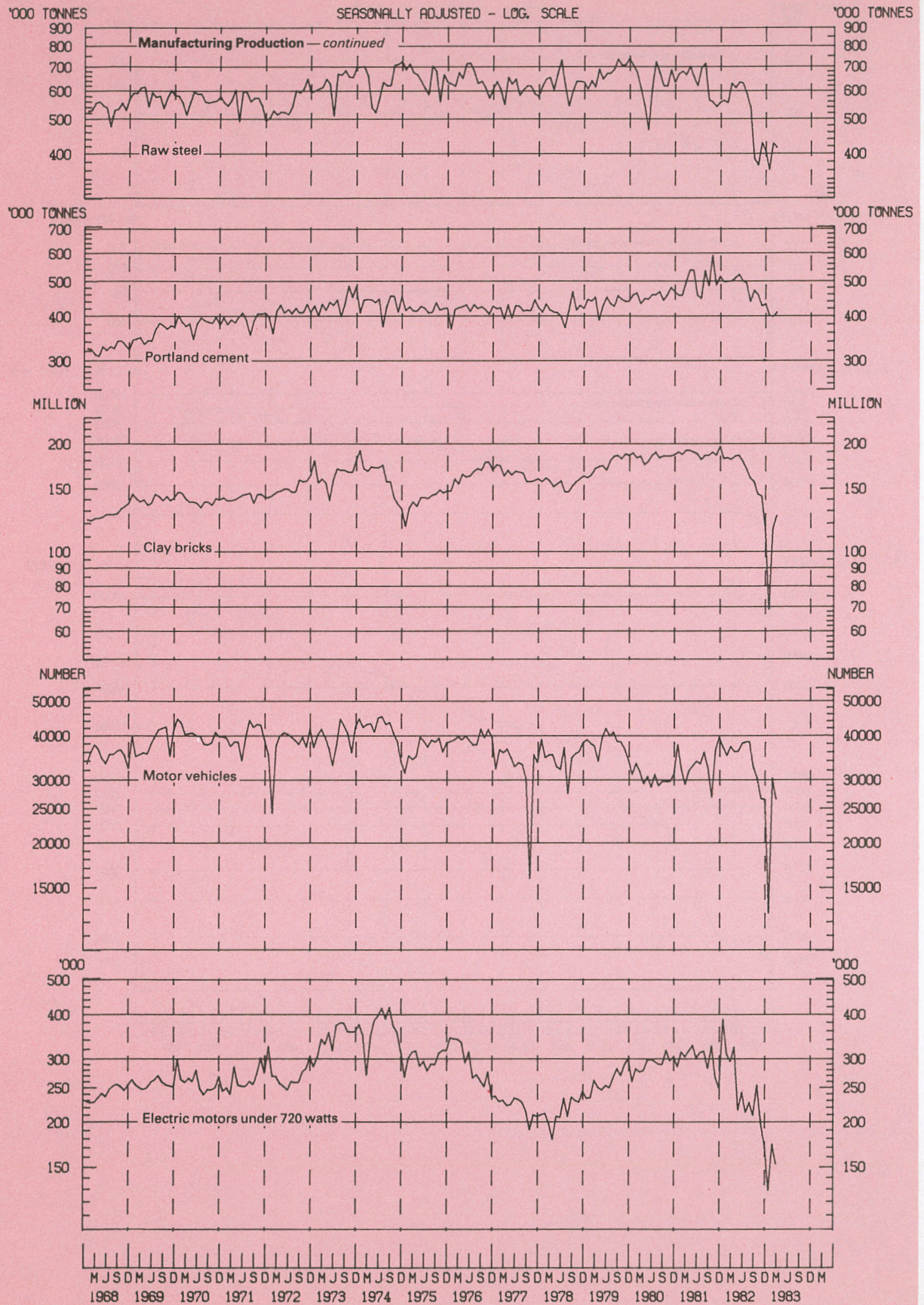


## AUSTRALIAN SERIES





## AUSTRALIAN SERIES

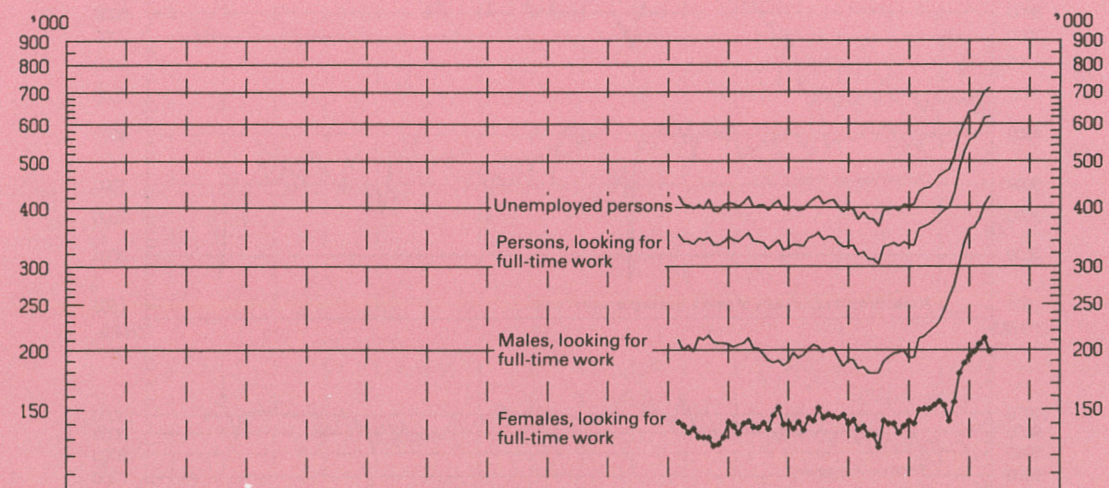




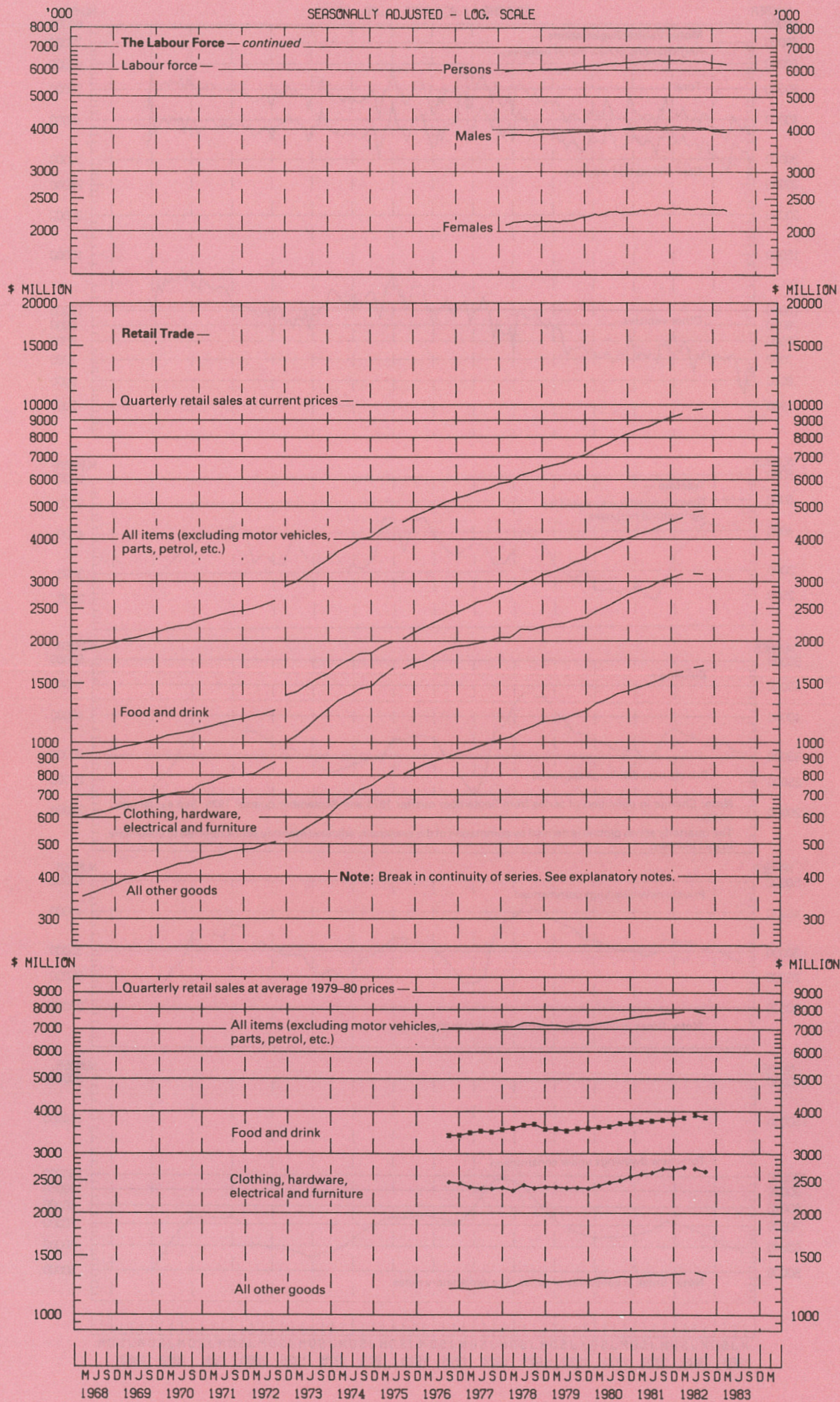
## AUSTRALIAN SERIES



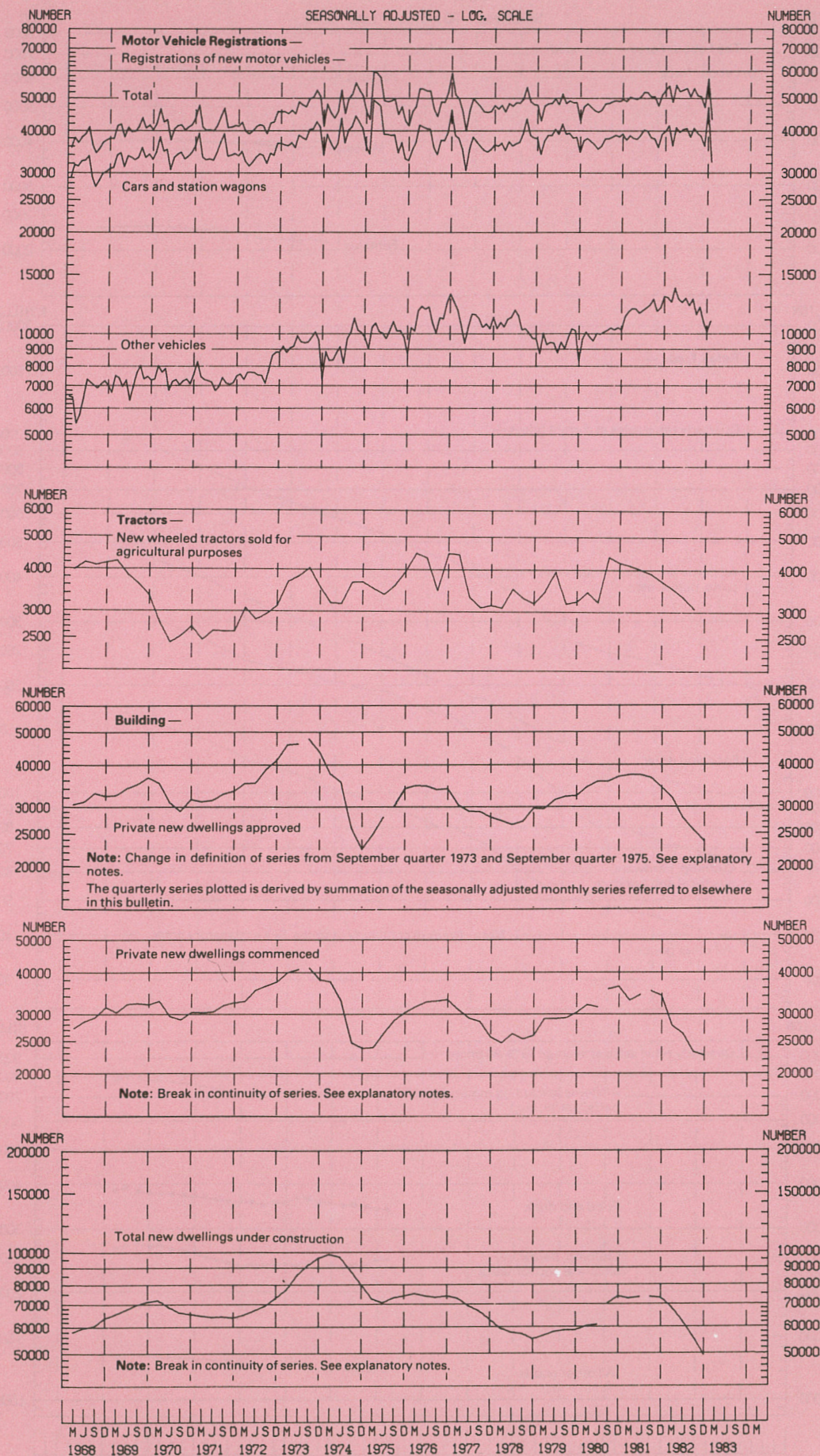


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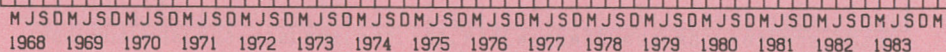




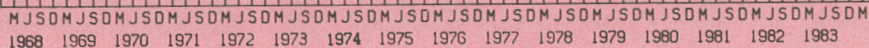




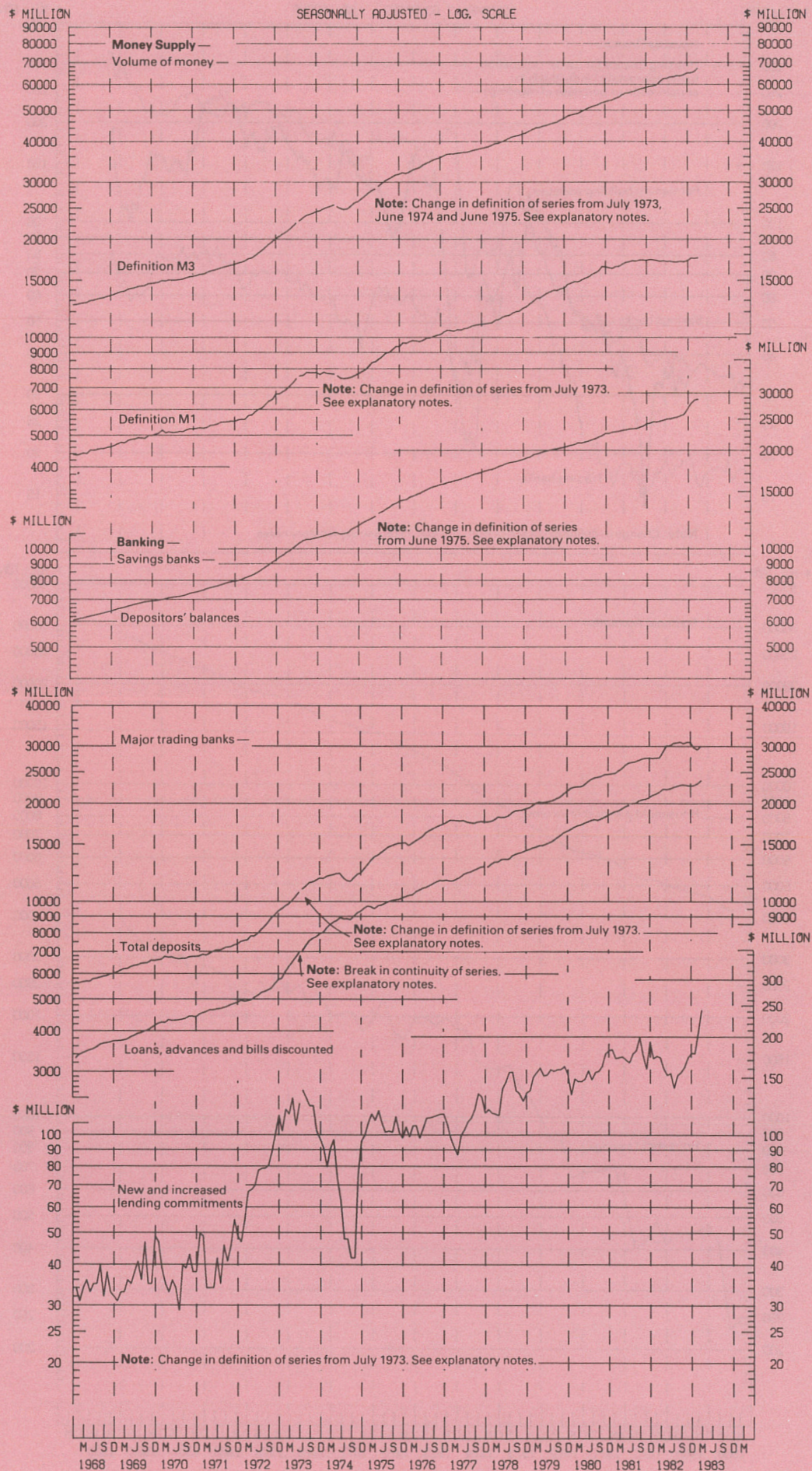














## AUSTRALIAN SERIES

**SEASONALLY ADJUSTED - LOG. SCALE**

**Housing Finance** —  
Housing finance for owner occupation,  
loans approved to individuals for  
construction or purchase of dwellings —

Permanent building societies

Savings banks

Trading banks

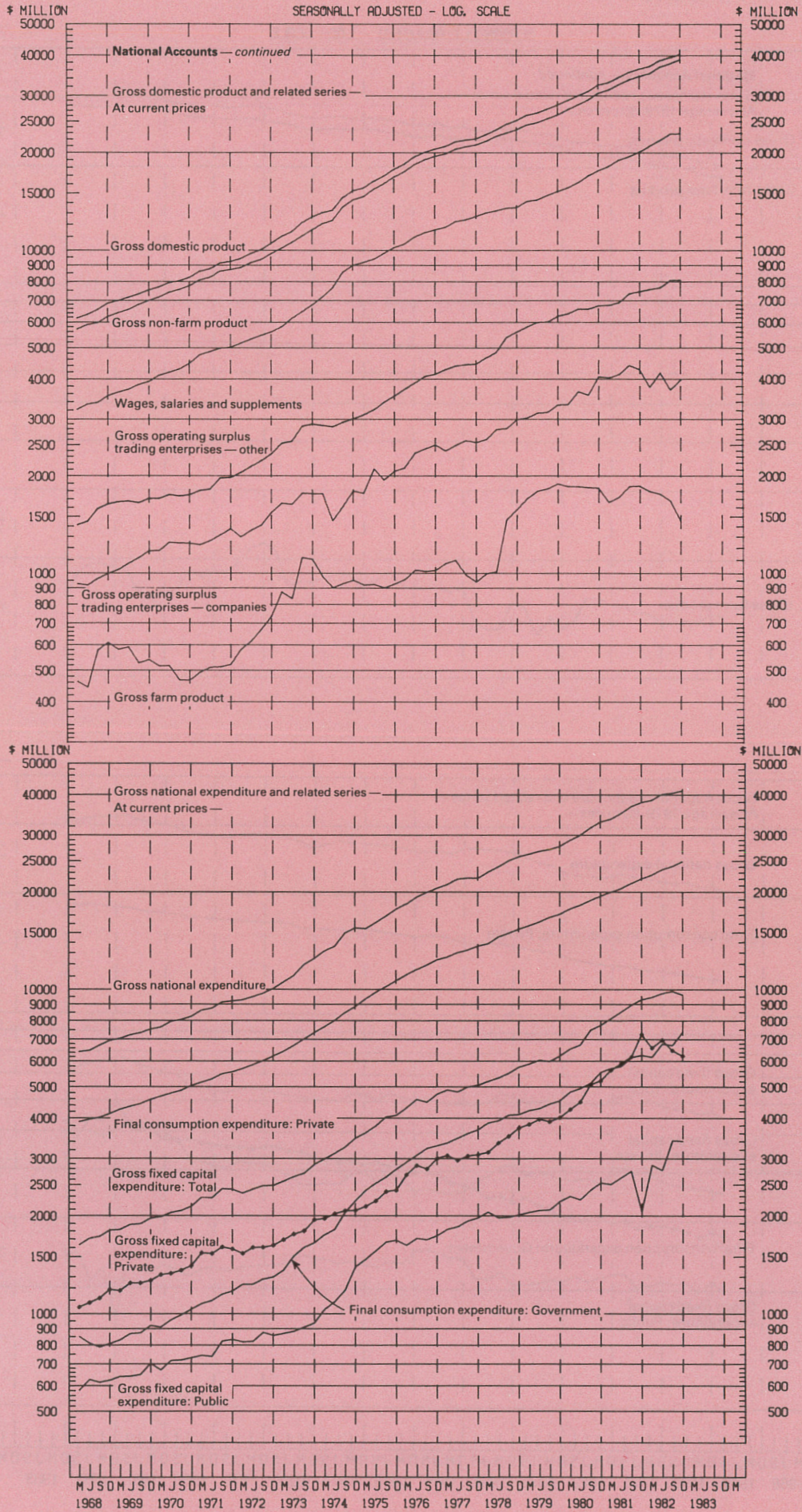
**Note:** Change in definition of series from October 1975. See explanatory notes.

The figure consists of three vertically stacked line charts sharing a common x-axis representing time from 1968 to 1983. The y-axis for all charts is in millions of dollars, with scales from 200 to 4000 on the left and 2000 to 40000 on the right.

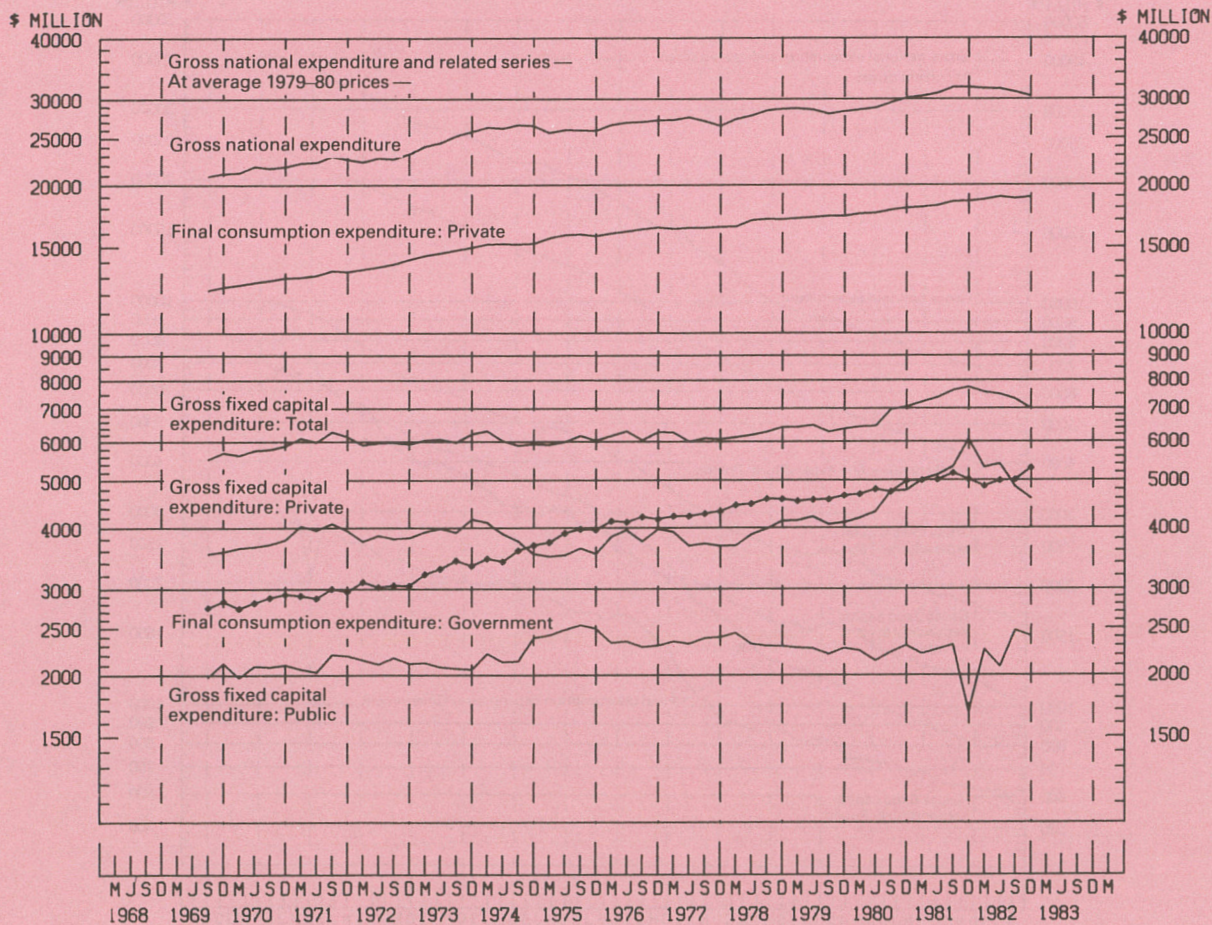
- Top Chart: National Accounts**
  - Y-axis scale: 2000 to 40000 (left), 2000 to 40000 (right).
  - The line shows a steady, nearly linear increase from approximately 4,000 million in 1968 to about 28,000 million in 1983.
- Middle Chart: Household disposable income**
  - Y-axis scale: 4000 to 9000 (left), 2000 to 40000 (right).
  - The line shows a steady increase from approximately 4,000 million in 1968 to about 28,000 million in 1983, closely tracking the National Accounts line.
- Bottom Chart: Household savings**
  - Y-axis scale: 200 to 1000 (left), 2000 to 40000 (right).
  - The line shows more volatility than the others. It starts around 250 million in 1968, rises to a peak of about 480 million in 1969, dips, then rises sharply to about 700 million by 1971. It remains relatively stable until 1974, then rises to a peak of about 2,300 million in 1976, followed by fluctuations between 1,800 and 2,800 million through 1983.



## AUSTRALIAN SERIES

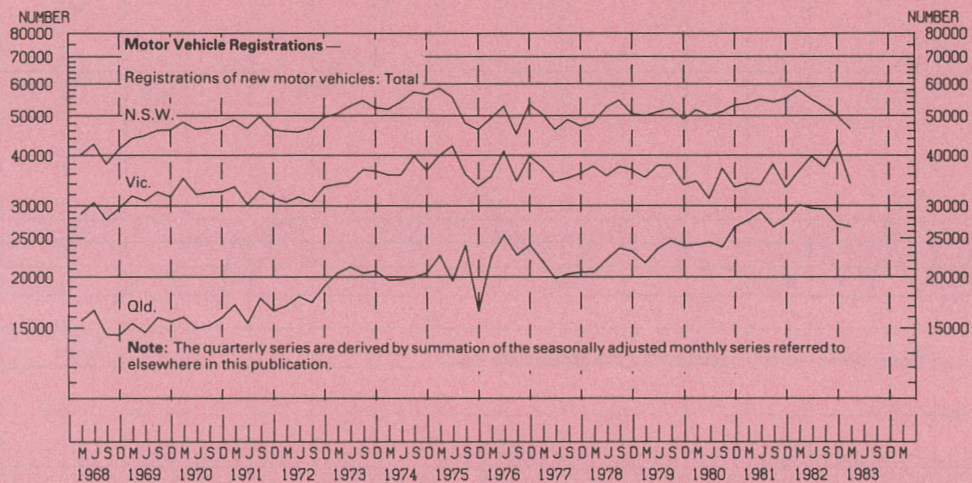
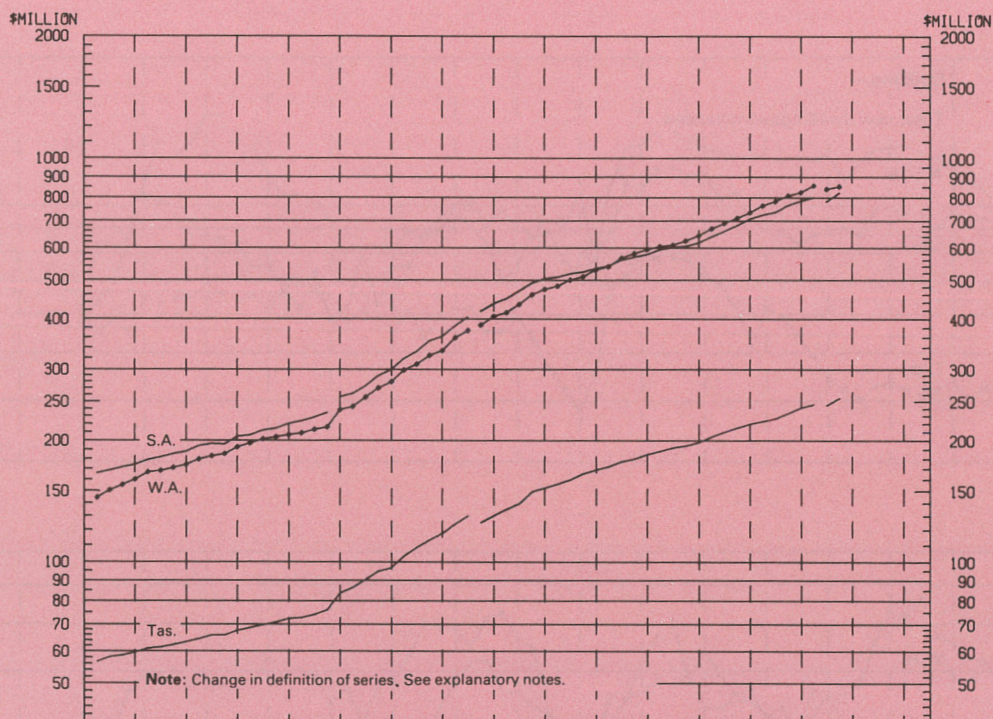
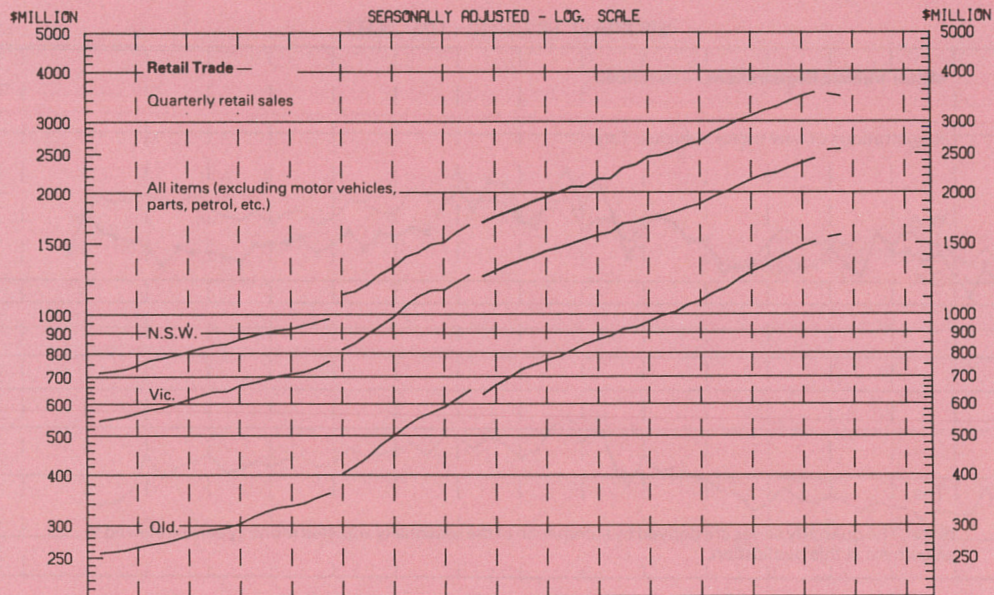






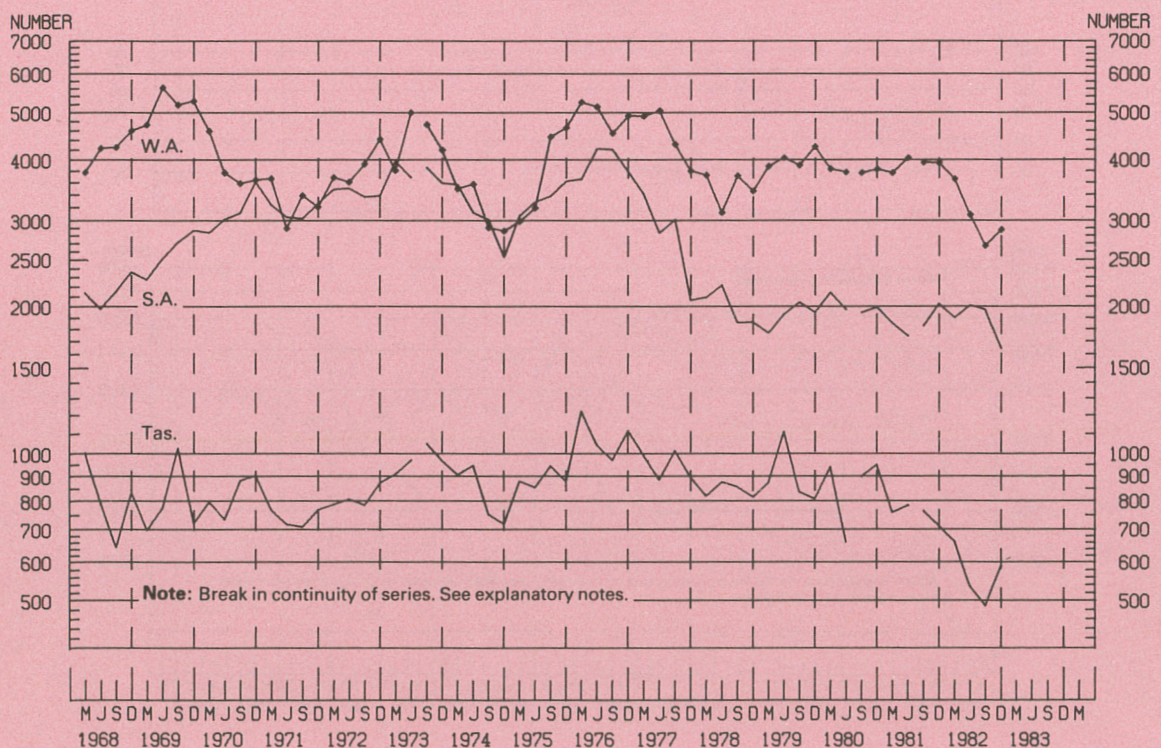
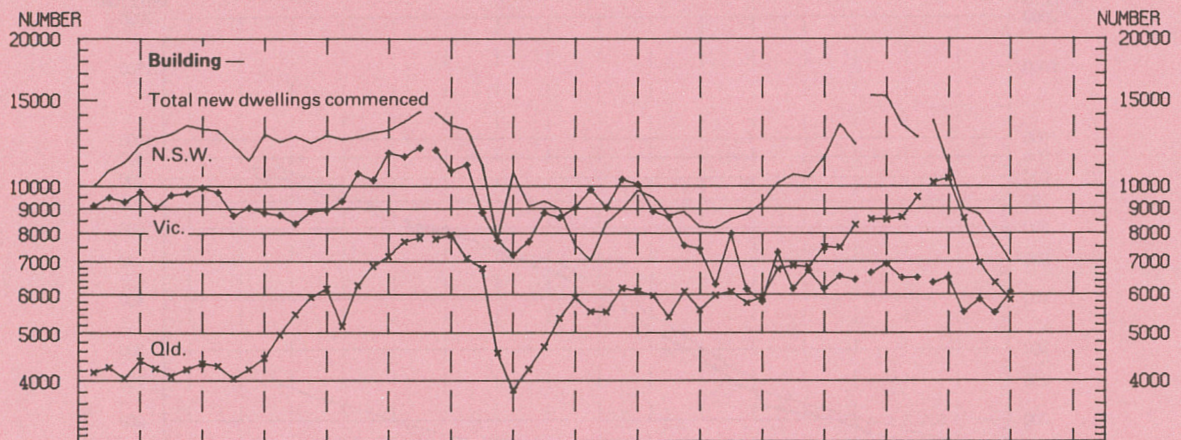
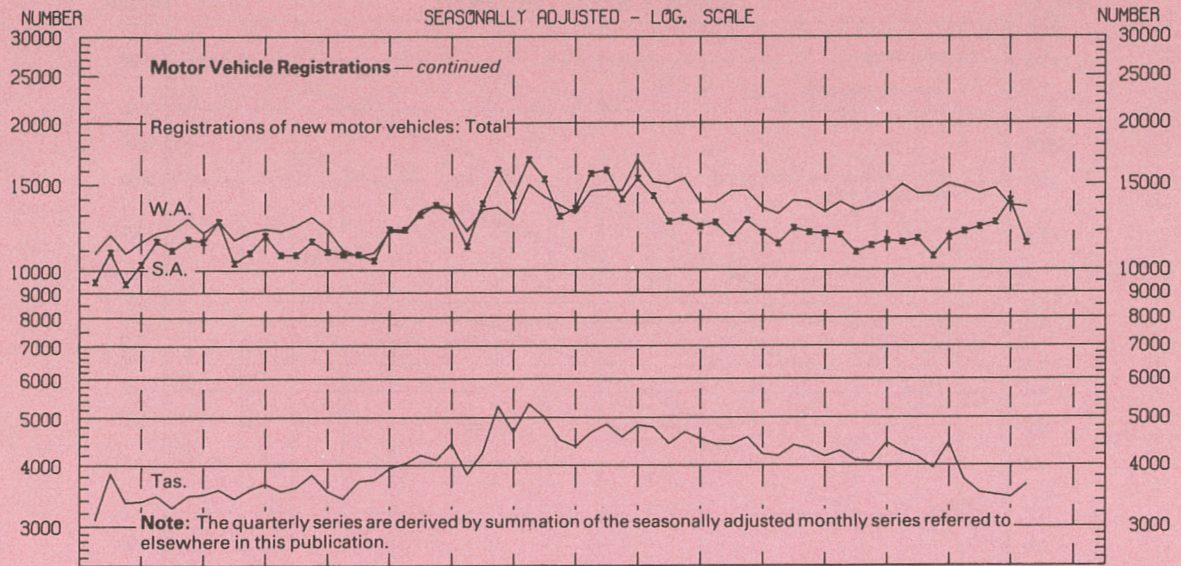


## STATE SERIES





## STATE SERIES





## APPENDIX A

## EXPLANATORY NOTES

The notes on the following pages provide further information on the nature of the *series published in this publication* and references to the publications listed below for further details. The publications referred to are, with few exceptions, those monthly and quarterly statements of the ABS in which subsequent seasonally adjusted figures are to be published. Seasonally adjusted figures for most series will also be included in the *Monthly Summary of Statistics, Australia* (1304.0) and a selection will be included in the *Digest of Current Economic Statistics, Australia* (1305.0).

Australian Bureau of Statistics publications referred to are:

<i>Cat.</i>	<i>Title</i>
<i>No.</i>	
1304.0	Monthly Summary of Statistics, Australia (monthly)
1305.0	Digest of Current Economic Statistics, Australia (monthly)
5205.0	Quarterly Estimates of National Income and Expenditure, Australia (Preliminary) (quarterly)
5206.0	Quarterly Estimates of National Income and Expenditure, Australia (quarterly)
5207.0	Historical Series of Quarterly Estimates of National Income and Expenditure, Australia (annual)
5302.0	Balance of Payments, Australia (quarterly)
5602.0	Savings Banks, Australia (monthly)
5603.0	Major Trading Banks, Australia (monthly)
5605.0	Banking, Australia (quarterly)
5608.0	Housing Finance for Owner Occupation, Savings Banks and Trading Banks, Australia (monthly)
5609.0	Housing Finance for Owner Occupation, Australia (monthly)
5610.0	Housing Finance for Owner Occupation, Permanent Building Societies, Australia (monthly)
5625.0	New Capital Expenditure by Private Enterprises in Selected Industries, Australia (Preliminary) (quarterly)
5626.0	New Capital Expenditure by Private Enterprises in Selected Industries, Australia (quarterly)
6202.0	The Labour Force, Australia (Preliminary) (monthly)
6203.0	The Labour Force, Australia (quarterly)
6204.0	The Labour Force, Australia (annual)
7204.0	Meat, Australia (Preliminary) (monthly) (The February 1981 edition was the final issue of this publication)
7208.0	Milk, Australia (monthly) (The January 1981 edition was the final issue of this publication)
7215.0	Livestock Products, Australia (monthly)
7221.0	Livestock and Livestock Products, Australia (annual)
8301.0	Production Statistics, Australia (Preliminary) (monthly)
	Production Bulletins (monthly)—
8357.0	No. 1: Electricity, Gas and Electrical Appliances, Australia
8359.0	No. 3: Food, Drink and Tobacco, Australia
8360.0	No. 4: Textiles, Bedding and Floor Coverings, Australia
8361.0	No. 5: Building Materials and Fittings, Australia
8363.0	No. 7: Motor Vehicles, Parts and Accessories, Australia
8364.0	No. 8: Miscellaneous Products, Australia
8501.0	Retail Sales of Goods, Australia (monthly)
8503.0	Retail Sales of Goods, Australia (quarterly)
8504.0	Sales and Stocks of Australian Wine and Brandy by Winemakers, Australia (monthly)
8702.0	Building Approvals, Australia (monthly)
8703.0	Building Statistics, Australia: Number of New Dwellings (Preliminary Estimates) (quarterly)
8705.0	Building Activity, Australia (quarterly)
9301.0	Registrations of New Motor Vehicles, Australia (Preliminary) (monthly)
9303.0	Motor Vehicle Registrations, Australia (monthly)
9304.0	Motor Vehicle Registrations, Australia (annual)



**APPENDIX A—continued**  
**EXPLANATORY NOTES—continued**

**AGRICULTURAL PRODUCTION (7215.0, 7221.0)**

- Total meat (p2). Production is in terms of fresh meat for human consumption (carcass weight) and includes estimates of meat from animals slaughtered on farms and by country butchers.
- Whole milk intake by factories (p3). Up to June 1978 these data were compiled by the Australian Bureau of Statistics, and included whole milk used for factory butter, non-processed cheese and processed milk products, as well as milk for other purposes (principally fluid milk for domestic purposes). From July 1978 these data have been collected by the Australian Dairy Corporation and comprise whole milk intake by factories, including market milk sales.
- Brokers' and dealers' receipts of taxable wool (p4). Excludes wool received by brokers or dealers (private buyers) on which wool tax has already been paid by other brokers or dealers.

**MANUFACTURING PRODUCTION (8301.0)**

- Electricity (p5). Total generated, including electricity not for sale. (8357.0, 8364.0)
- Gas (p6). Available for issue through mains; from July 1969 includes natural gas. (8357.0, 8364.0)
- Raw steel (p7). Includes recovery from scrap and from November 1967 continuous cast billets. (8364.0)
- Portland cement (p8). (8361.0)
- Clay bricks (p9). (8361.0)
- Motor vehicles (p10). Cars, station wagons, utilities, panel vans, trucks and truck type vehicles. Excludes omnibuses, ambulances and hearses from July 1982. Includes vehicles which are disposed of by the manufacturer in a partly finished state. Before July 1963 the series related to the production of motor vehicle bodies assembled from local and imported panels. (8363.0)
- Electric motors under 720 watts (p11). Includes those made and incorporated by manufacturers in their own products. (8357.0)
- Domestic refrigerators (p12). Electric. (8357.0)
- Television sets (p13). Includes combination with radio, etc. From September 1974, includes production of colour television sets. Production of black and white television sets ceased in December 1976. (8357.0)
- Textile floor coverings (p14). Includes smooth surfaced and embossed as well as textile based coverings. (8360.0)
- Particle board (p15). Resin bonded, excluding wood wool board (cement bonded). (8361.0)
- Cotton woven cloth (p16). Cotton woven cloth (including mixtures predominantly of cotton) over 30 cm wide. Excludes towelling cloth prior to July 1979 (8360.0)
- Man-made fibre woven cloth (p17). Man-made fibre cloth (including mixtures predominately of synthetic fibre) over 30 cm wide. (8360.0)
- Woollen yarn (p18). Includes mixtures predominantly of the fibre named. (8360.0)
- Beer (p19). From July 1961 to June 1968, monthly production figures include waste beer. All other figures exclude waste beer. (8359.0)
- Tobacco and cigarettes (p20). Before July 1971 it included cigars. *Source of original data:* Department of Business and Consumer Affairs from July 1968. (8359.0)
- Confectionery (p21). Excludes chocolate sold for further manufacturing purposes. (8359.0)

**BALANCE OF PAYMENTS**

**Balance of payments, current account (5302.0)—**

- Exports f.o.b. (p22). Exports recorded in overseas trade statistics (recorded exports) adjusted for balance of payments purposes for coverage and timing. Overseas trade statistics are derived from the Customs recording system. Coverage adjustments are needed to include some goods which have changed ownership but for which customs entries are not completed (unrecorded exports) and to exclude others which cross the customs frontier without changing ownership. Unrecorded exports include ships and aircraft for use on international routes (for which customs entries are not required). The items deducted from recorded exports because no change of ownership is involved include exports for Commonwealth Government projects abroad, goods for repair and return and passengers' personal effects. Prior to 1976 exports of gold bullion and unrefined gold are also excluded from exports f.o.b. (see *gold production (net)*). Timing adjustments are made for goods which change ownership in one period but are recorded in overseas trade statistics in another period, and include adjustments for certain wheat and sugar exports, pre-shipment purchases of iron ore, and for goods shipped abroad on consignment. Unlike imports, no adjustment is required for valuation.
- Imports f.o.b. (p23). Imports recorded in overseas trade statistics (recorded imports) adjusted for balance of payments purposes for coverage, timing and valuation. As with exports, coverage adjustments are needed to include some goods which have changed ownership but for which customs entries are not completed (unrecorded imports) and to exclude others which cross the customs frontier without changing ownership. Unrecorded imports include ships and aircraft purchased by residents from abroad for use on international routes. The items deducted from recorded imports because no change of ownership is involved include imports by diplomatic missions, imports of leased cinema and television film, goods for repair and return, goods for re-export and passengers' personal effects. Prior to 1976 imports of gold as with exports of gold were also excluded (see *exports f.o.b.* and *gold production (net)*). Timing adjustments are made for major items of equipment imported by the defence services and transport enterprises which change ownership in one period but are recorded in overseas trade statistics in another. Timing adjustments are also made for goods imported into Australia by non-residents and held on consignment awaiting sale to residents. A valuation adjustment is made to bring recorded imports based on the f.o.b. value for duty, as published in overseas trade statistics, to an f.o.b. transactions value basis.



**APPENDIX A—continued**  
**EXPLANATORY NOTES—continued**

**BALANCE OF PAYMENTS—continued**

Balance of Trade (p24). *Exports f.o.b. less imports f.o.b.*

Invisible credits (p25). *Invisible credits* represent the sale by residents of services to non-residents, property income credits and transfers in cash or kind from non-residents to residents.

Invisible debits (p26). *Invisible debits* represent purchases of services by residents from non-residents, property income debits and transfers in cash or kind by residents to non-residents.

Balance on current account (p27). The *balance on current account* is the *balance of trade* plus *invisible credits* less *invisible debits*.

**THE LABOUR FORCE (6202.0, 6203.0, 6204.0)**

Estimates are derived from the population survey which is based on a multi-stage area sample of private dwellings (about 33,000 houses, flats, etc.) and non-private dwellings (hotels, motels, etc.), and covers about two-thirds of one per cent of the population of Australia. The information is obtained from the occupants of selected dwellings by carefully chosen and specially trained interviewers. The surveys were conducted each February, May, August and November until February 1978 and have been conducted monthly thereafter. The interviews for monthly surveys are generally conducted during the two weeks beginning on the Monday between the 6th and 12th of each month, the information obtained relating to the week prior to the interview (i.e. the survey week). The survey estimates for February 1978 and subsequent months are based on population estimates derived from the results of the 1976 Population Census and were obtained by using a new sample and revised questionnaire. Survey estimates for August 1966 to November 1977 were revised in order to provide a series as comparable as possible with the estimates for February 1978 and later periods. The estimates relate to all persons aged 15 and over, except members of the permanent defence forces, certain diplomatic personnel of overseas governments customarily excluded from census and estimated populations, overseas visitors holidaying in Australia and members of non-Australian defence forces (and their dependants) stationed in Australia.

**Employed persons—**

Males (p28).

Females (p29).

Persons (p30).

*Employed persons* are all those 15 years and over who, during the survey week:

- (a) worked for one hour or more for pay, profit, commission or payment in kind in a job or business, or on a farm (including employees, employers and self-employed persons), or
- (b) worked for 15 hours or more without pay in a family business or on a farm (i.e. unpaid family helpers), or
- (c) were employees who had a job but were not at work and were: on paid leave; on leave without pay for less than four weeks up to the end of the survey week; stood down without pay because of bad weather or plant breakdown at their place of employment for less than four weeks up to the end of the survey week; on strike or locked out; on workers' compensation and expected to be returning to their job; or receiving wages or salary while undertaking full-time study, or
- (d) were employers or self-employed persons who had a job, business or farm, but were not at work.

**Unemployed persons—**

Looking for full-time work—

Males (p31).

Females (p32).

Persons (p33).

Total unemployed—

Persons (p34).

*Unemployed persons* are all those 15 and over who were not employed during the survey week and:

- (a) had actively looked for full-time or part-time work at any time in the four weeks up to the end of the survey week and:
  - (i) were available for work in the survey week, or would have been available except for temporary illness (i.e. lasting for less than four weeks to the end of the survey week); or
  - (ii) were waiting to start a new job within four weeks from the end of the survey week and would have started in the survey week if the job had been available then;
- or (b) were waiting to be called back to a full-time or part-time job from which they had been stood down without pay for less than four weeks up to the end of the survey week (including the whole of the survey week) for reasons other than bad weather or plant breakdown.



**APPENDIX A—continued**  
**EXPLANATORY NOTES—continued**

**THE LABOUR FORCE—continued**

Unemployment rate—

Looking for full-time work—

Males (p35).

Females (p36).

Persons (p37).

Total unemployed—

Persons (p38).

The *unemployment rate* for any group is the number unemployed expressed as a percentage of the labour force (i.e. employed plus unemployed) in the same group.

The labour force—

Males (p39).

Females (p40).

Persons (p41).

The *labour force* comprises all persons who, during the survey week, were employed or unemployed.

Labour force participation rate—

Males (p42).

Females (p43).

The *labour force participation rate* for any group is the labour force expressed as a percentage of the civilian population 15 years and over in the same group.

**RETAIL TRADE**

**Quarterly retail sales at current prices (8503.0)—**

Food and drink (p44).

Clothing, hardware, electrical, etc. (p46).

All other goods (excluding motor vehicles, parts, petrol, etc.) (p48).

All items (excluding motor vehicles, parts, petrol, etc.) (p50).

The figures relate to retail sales of goods (as distinct from services, repairs, accommodation, entertainment, meals, etc.) to final consumers for personal and household consumption by retail and selected service establishments. Hotels are included in respect of goods sold. The figures up to September quarter 1972 are on a basis comparable with the 1961-62 Census of Retail Establishments. From December quarter 1972 to June quarter 1975 the figures are on a basis comparable with the 1968-69 Census of Retail Establishments. From September quarter 1975 the figures are on a basis comparable with the 1973-74 Census of Retail Establishments. From June quarter 1982 the figures are on a basis comparable with the 1979-80 Census of Retail Establishments.

**Quarterly retail sales at average 1979-80 prices (8503.0)—**

Food and drink (p45).

Clothing, hardware, electrical, etc. (p47).

All other goods (excluding motor vehicles, parts, petrol, etc.) (p49).

All items (excluding motor vehicles, parts, petrol, etc.) (p51).

These estimates show the values of the main aggregates of quarterly retail sales revalued in such a way that the direct effects of price changes, which have occurred in the periods under review, have been removed. In concept, they may be thought of as being derived by expressing the value of every component commodity as the product of a price and a quantity, and then by substituting for each actual current price the corresponding average price in the base year. It is not possible, in practice, to use this method of revaluation because data on the quantities of retail commodities sold are not obtained in the Quarterly Survey of Retail Establishments. The method adopted is to use independently constructed composite price indexes to effect the revaluation. Aggregates at constant prices are then obtained by summation. The figures up to March quarter 1982 are on a basis comparable with the 1973-74 Census of Retail Establishments. From June quarter 1982 the figures are on a basis comparable with the 1979-80 Census of Retail Establishments.

**Monthly retail sales (8501.0)—**

All items (excluding motor vehicles, parts, petrol, etc.) (p52). The figures relate to retail sales of goods (as distinct from services, repairs, accommodation, entertainment, meals, etc.) to final consumers for personal and household consumption by retail and selected service establishments. Hotels are included in respect of goods sold. The figures up to June 1969 are on a basis comparable with the 1961-62 Census of Retail Establishments. From July 1969 to March 1976 the figures are on a basis comparable with the 1968-69 Census of Retail Establishments. From April 1976 the figures are on a basis comparable with the 1973-74 Census of Retail Establishments. From April 1982 the figures are on a basis comparable with the 1979-80 Census of Retail Establishments.



**APPENDIX A—continued**  
**EXPLANATORY NOTES—continued**

**MOTOR VEHICLE REGISTRATIONS (9301.0, 9303.0, 9304.0)**

**Registration of new motor vehicles—**

Cars and station wagons (p53).

Other vehicles (p54).

Total (p55).

Registrations processed by the motor vehicle registration authorities in the States and Territories during the period. The figures include new Government-owned vehicles other than those belonging to the defence services but exclude motor cycles, tractors, trailers, caravans, plant and equipment.

**WINE**

**Sales of Australian wine by winemakers (8504.0)—**

Table wine (p56).

Total wine (p57).

These figures relate to wineries with wine sales of 250,000 litres or more in the previous financial year. These wineries account for approximately 97 per cent of total wine sales. Sales for exports, sales for ships' stores, sales of imported wine and brandy and inter-winery sales are excluded.

Some cases of under-reporting of sales to non-winemakers were found in the 1981 coverage review. Details of winemakers involved have been included in the series from July 1981 onwards and past data back to July 1980 have been revised to provide a basis for comparisons.

**BUILDING (8705.0)**

**Building approved (8702.0)—**

Number of new private dwellings approved (p58).

Value of total building approved (p59).

**Building commenced—**

Number of new private dwellings commenced (p60). (8703.0)

Value of—

Total new dwellings commenced (p61).

Other building commenced (p62).

Total building commenced (p63).

**Building completed—**

Value of—

Total new dwellings completed (p64).

Total building completed (p65).

**Value of work done on—**

New houses (p66).

Total new dwellings (p67).

Other building (p68).

Total building (p69).

With the exception of building approved, these statistics are compiled from returns obtained from:

- (a) builders involved in contract or speculative building activity, including alterations and additions work;
- (b) individuals and businesses involved in building activity on their own account; and
- (c) Commonwealth, State, semi-government and local government authorities involved in building activity.

The number of new dwellings relates to individual self contained dwelling units. Values exclude the value of land and landscaping and represent the estimated value of buildings on completion. The value series include alterations and/or additions of \$10,000 and over. Statistics for alterations and additions to dwellings, valued at \$10,000 and over have been shown separately from July 1973. Alterations and additions to buildings other than dwellings valued at \$10,000 and over continue to be included in the statistics for other building. From July 1975 approval statistics for new dwellings include all new dwellings (previously those valued greater than \$2,000), and for new other building include new other building valued at \$10,000 and over (previously \$2,000) together with alterations and additions (to other building) valued at \$10,000 or more. With these changes the scope of the building approvals and building activity statistics are now identical.

From the September quarter 1980 a new Building Activity Survey has replaced the previous quarterly Building Operations Census. The major features of the new survey are as follows:

- (a) replacement of the previous complete enumeration of private sector jobs involving new house construction or alterations and additions valued at \$10,000 or more to houses by a sample survey; and
- (b) continuation of the complete quarterly enumeration of jobs involving construction of new dwellings other than private sector houses, construction of new other buildings with an approval value of \$10,000 or more and all alterations and additions with an approval value of \$10,000 or more to buildings other than private sector houses.

From the September quarter 1981 two additional changes have been introduced:

- (a) a one-month-lagged framework of approvals is now used as the basis for selection of both house and non-house building jobs (previously only private sector house jobs were selected from a one-month-lagged approvals framework); and
- (b) in general, a building job is now considered to have commenced, for the purposes of the statistical collection, ONLY when the value of work done on that job as reported by the builder is equal to or greater than a pre-determined (threshold) value.

For a more detailed description of these changes see the Explanatory notes of the December quarter 1981 issue of 8705.0.



**APPENDIX A—continued**  
**EXPLANATORY NOTES—continued**

**BUILDING—continued**

The implication of these changes is that the new quarterly sample survey provides information on private sector house building activity only at the Australian and State/Territory levels of detail.

The major component of the framework for the survey is building approvals. These approvals, and the approvals statistics compiled therefrom, cover:

- (a) permits issued by local government authorities in areas subject to building control by those authorities; and
- (b) contracts let or day labour work approved by Commonwealth, State, semi-government and local government authorities.

In addition, major building activity which takes place in areas not subject to the normal administrative approval processes (e.g. mining leases) is also included.

Differences in concept between the new Building Activity Survey and the previous Building Operations Census are minor. With the sample survey of Private Sector house building activity, however, any houses built outside local government authority building control areas cannot, except in the circumstances mentioned above, become part of the sample survey framework and, therefore, cannot contribute to the results of the Building Activity Survey. The only difference with respect to data about public sector house building activity and data about *other dwellings* and *other buildings* relates to the treatment of site preparation costs. Site preparation works which comprise part of the overall building construction are included in the statistics. Site preparation costs were included in the superseded Building Operations Census only if they could not be separately identified.

More important are the changes in the procedures associated with a more rigorous control of the collection framework which has enabled individual building jobs to be more closely monitored through the construction process. This has resulted in some increase in the proportion of the actual building construction activity occurring in a given quarter being included in the statistics for that quarter. This rigorous control has also identified the need to revise the number and value of building jobs previously regarded as under construction as at 1 July 1980. For this reason figures from the September quarter 1980 are not strictly comparable with those for earlier periods and some caution should be exercised in comparing data across the time of the change in methodology. The approvals series (which has not been subject to a break in continuity) may, to some extent, be of assistance in making time series comparisons across mid-1980 for building activity. The seasonality of the statistical series produced by the new Building Activity Survey is expected to approximate that of similar series produced from the discontinued quarterly Building Operations Census. Therefore, data from both collections has been used in the estimation of seasonal factors.

**CAPITAL EXPENDITURE (5625.0, 5626.0)**

**New fixed capital expenditure by private enterprises—**

- New building and structures (p70).
- Other new capital equipment (p71).
- Mining (p72).
- Manufacturing (p73).
- Finance, property and business services (p74).
- Other selected industries (p75).
- Total new fixed capital expenditure (p76).

Statistics to September quarter 1973 are derived from returns obtained from private businesses subject to pay-roll tax (other than rural, professional, gas and electricity), from government banks and airlines, and from other businesses not subject to pay-roll tax undertaking projects of more than \$500,000 in any half-year. From December quarter 1973, statistics have been compiled from data collected in a quarterly survey of private enterprises. The survey is based on a stratified random sample of private enterprises recorded in the Australian Bureau of Statistics (ABS) central register of economic units. The figures obtained from the selected informants (supplemented by allowances for new enterprises not yet included in the sample framework) are used to calculate estimates of new fixed capital expenditure by *all* enterprises in the private sector of the Australian economy falling within the industry scope of survey.

This survey aims to measure the value of new fixed capital expenditure by all private enterprises in Australia. But, because of the large numbers involved and other collection difficulties, it is not possible to include in the survey those enterprises primarily engaged in agriculture, forestry, fishing or hunting activities.

Public sector enterprises (i.e. all departments authorities and other organisations owned and/or controlled by Commonwealth, State or Local Government) are outside the present scope of the survey. Capital expenditure by households is also outside the scope of the survey.

Commencing with the estimates collected for the December quarter 1982, the value of additions to unsold speculatively built construction projects (whether completed or not) was regarded as additions to trading stock (rather than new fixed capital expenditure) and was therefore excluded from the estimates in this publication. Expenditure on the *purchase* of speculatively built construction projects from the builder/property developer was then regarded as new fixed capital expenditure of the purchaser at the time of purchase. Since the majority of purchasers of speculative construction projects are outside the scope of the survey, the only significant effect of the change upon the estimates in this publication is to reduce the level of the estimates of expenditure on new buildings and structures in the finance, property and business services industry.



**APPENDIX A—continued**  
**EXPLANATORY NOTES—continued**

**MONEY SUPPLY**

**Volume of money—**

The *Banking Act* 1959 ceased to apply to Papua New Guinea from November 1973. All figures have been tabulated and graphed to exclude Papua New Guinea from July 1973, with the exception of notes and coin in the hands of the public. Source of original data: Reserve Bank of Australia *Bulletin* (also includes seasonally adjusted data). (5605.0)

Definition M1 (p77). Includes notes and coin in the hands of the public plus current deposits with all trading banks (excluding Commonwealth and State Government and inter-bank deposits), and current deposits of the public with the Reserve Bank of Australia. The series are average of weekly figures (reported as at each Wednesday) for the month.

Definition M2 (p78). Includes all components of Definition M1 plus fixed deposits with all trading banks (excluding Commonwealth and State Government and inter-bank deposits), fixed deposits of the public with the Reserve Bank of Australia, and certificate of deposits with all trading banks (excluding Commonwealth and State Government and bank holdings since June 1974). Series are average of weekly figures (reported as at each Wednesday) for the month.

Definition M3 (p79). Includes all components of Definition M2 plus deposits with all savings banks. The deposits series with all savings banks is the interpolated 'weekly average' based on end-month figures. From June 1975 the figures reflect a change in accounting procedures by one savings bank.

**BANKING (5605.0)**

**Savings banks—**

Depositors' balances (p80). Particulars for the Commonwealth Savings Bank, The State Bank of Victoria, The Savings Bank of South Australia, The Rural and Industries Bank of Western Australia and The Hobart Savings Bank relate to the end of the month, those for The Launceston Bank for Savings to the last Monday in the month, and those for the other savings banks to the last Wednesday in the month. From June 1975 the figures reflect a change in accounting procedures by one bank. The series excludes external territories. (5602.0)

**Major trading banks (5603.0, 5605.0)—**

Major trading banks comprise the Commonwealth Trading Bank, Australia and New Zealand Banking Group Ltd, Westpac Banking Corporation, and the National Commercial Banking Corporation of Australia Ltd. Figures are the average of weekly returns (usually reported as at each Wednesday) for the month. The series include external territories. The *Banking Act* 1959 ceased to apply to Papua New Guinea from November 1973. All figures have been tabulated and graphed to exclude Papua New Guinea from July 1973.

Total deposits (p81).

Loans, advances and bills discounted (p82). From January 1978 and July 1981 the figures reflect changes in accounting procedures by some banks.

Liquid assets and Australian Government securities (p83). Includes notes, coin, cash with the Reserve Bank of Australia, Treasury notes and other Australian Government securities.

New and increased lending commitments (p84). This series comprises formal new and increased lending commitments for term loans, farm development loans, overdrafts, bridging finance, personal instalment loans and lease financing; commitments in respect of commercial bills, bankcard and temporary advances to wool buyers are excluded. Caution needs to be exercised in interpreting the series particularly over short periods as the figures represent gross new lending commitments by banks and do not take into account commitments from earlier periods which have been cancelled or reduced. Figures are the weekly average for the period ending on the second Wednesday of the month. *Source of original data:* Reserve Bank of Australia *Bulletin* (also includes seasonally adjusted data).

**HOUSING FINANCE (5608.0, 5609.0, 5610.0)**

**Housing finance for owner occupation, loans approved to individuals for construction or purchase of dwellings—**

Construction of dwellings and purchase of new and established dwellings—

Number of dwelling units for which loans have been approved by—

Savings banks (p85).

Trading banks (p86).

Permanent building societies (p87).

Value of loans approved by—

Savings banks (p88).

Trading banks (p89).

Permanent building societies (p90).

These figures relate to secured finance approved by banks and permanent building societies to individuals for the construction or purchase of dwellings, where those individuals will occupy the dwellings. A loan approved is a firm commitment to advance funds. Loans approved for amounts additional to loans previously approved are included.

Number of dwelling units refers to the number of houses and other dwellings for which loans have been approved. If amounts additional to the original loan are approved to complete purchase or construction, the number of dwellings involved is not restated. Purchase of newly erected dwellings represents the purchases of dwellings which have been completed within a period of twelve months preceding the date of purchase where the purchaser is, or will be, the first occupant.



**APPENDIX A—continued**  
**EXPLANATORY NOTES—continued**

**HOUSING FINANCE—continued**

Figures from October 1975 are not strictly comparable with those for earlier months because as from that month

- (a) approvals of alterations and additions estimated to cost \$10,000 or more (previously included) are excluded,
- (b) purchase of dwellings not previously occupied was replaced with more precisely defined construction of dwellings and purchase of newly erected dwellings,
- (c) approvals for savings and trading banks exclude any lending for commercial purposes (previously a small component was included),
- (d) statistics for permanent building societies are based on a selected coverage of major societies rather than a complete coverage. The permanent building societies included are responsible for more than 99% of the lending of all permanent building societies, and
- (e) data for trading banks prior to October 1975 were derived by the Reserve Bank.

**NATIONAL ACCOUNTS**

**National accounts at current prices (5205.0, 5206.0, 5207.0)—**

**Gross domestic product—**

Total gross domestic product (p91). The total market value of goods and services produced in Australia within a given period after deduction of the cost of goods and services used up in the process of production, but before deducting allowances for the consumption of fixed capital. Thus gross domestic product, as here defined, is 'at market prices'. It is equivalent to gross national expenditure plus exports of goods and services less imports of goods and services.

Gross farm product (p93). That part of gross domestic product arising from production in agriculture and services to agriculture.

Gross non-farm product (p95). That part of gross domestic product arising from production in all industries other than agriculture and services to agriculture.

Gross national expenditure (p97). Total expenditure within a period on final goods and services bought by Australian residents.

**Final consumption expenditure—**

Private (p99). Expenditure on goods and services for consumption by persons and private non-profit organisations serving households. Includes personal expenditure on motor vehicles and other durable goods and the imputed rent of owner-occupied dwellings, but excludes purchases of dwellings. Also excludes consumer debt interest, capital expenditure by unincorporated business and non-profit organisations.

Government (p101). Expenditure by public authorities (other than those classified as public enterprises) on wages, salaries and supplements, and on goods and services other than expenditures which result in the creation or the acquisition of fixed tangible assets or an increase in stocks. Charges for goods sold or services rendered are offset against purchases. Net expenditure overseas by general government bodies and purchases from public authorities are included. All expenditure on defence is classified as final consumption expenditure.

**Gross fixed capital expenditure—**

Total (p103). Expenditure on fixed assets, whether for additions or replacements. This item includes expenditure on dwellings, other building and construction, vehicles, plant, machinery, etc., but excludes expenditure on fixed assets for defence purposes. It includes expenditure on second-hand assets, as well as new assets, less sales of existing assets. Expenditure on ordinary repair and maintenance is excluded. However, all expenditure on roads, including maintenance, is classified as capital expenditure.

Private (p105). Expenditure on fixed assets, whether for additions or replacements. This item includes expenditure on second-hand assets as well as new assets, less sales of existing assets. Dwellings purchased by persons from public housing authorities are included in private capital expenditure.

Public (p107). Expenditure on fixed assets, whether for additions or replacements, other than for defence purposes.

Because it has been impossible to make a satisfactory dissection, all expenditure on roads, including maintenance, is classified as capital expenditure.

**Increase in stocks—**

Private non-farm (p109). The increase in stocks held by private non-farm enterprises, obtained after adjusting the increase in book value of stocks by the stock valuation adjustment.

**Gross operating surplus—**

**Trading enterprises—**

The operating surplus before deduction of depreciation provisions, dividends, interest, royalties and land rent, and direct taxes payable, but after deducting stock valuation adjustment, of all trading enterprises from operations in Australia. It is the excess of gross output over the sum of intermediate consumption, wages, salaries and supplements and indirect taxes less subsidies. *Gross operating surplus* includes third party motor vehicle and public risk insurance claims paid to persons in respect of policies taken out by enterprises. Trading enterprises include all companies, public enterprises, partnerships and self-employed persons engaged in the production of goods and services for sale, but exclude financial enterprises. All owners of dwellings are included whether they let the dwellings or occupy them themselves. Public trading enterprises are government undertakings which attempt to cover all, or a substantial part, of their costs through charges made to the public for the sale of goods and services.



**APPENDIX A—continued**  
**EXPLANATORY NOTES—continued**

**NATIONAL ACCOUNTS—continued**

Companies (p111).

Other (p112). Includes public enterprises, partnerships, and sole proprietors engaged in the production of goods and services for sale. All dwellings are included whether let or occupied by the owner.

Wages, salaries and supplements (p113). Payments in the nature of wages and salaries, including allowances for income in kind (board and quarters, etc.), together with supplements to wages and pay and allowances of members of the forces. Supplements consist of employers' contributions to pension and superannuation funds, direct payments of pensions and retiring allowances, and amounts paid as workers' compensation for injuries.

Gross domestic product at factor cost (p114). That part of the cost of producing *gross domestic product* (described above) which consists of gross payments to the factors of production (labour, land, capital and enterprise). It represents the value added by these factors in the process of production and is equivalent to *gross domestic product less Indirect taxes less subsidies*.

Indirect taxes less subsidies (p115). Indirect taxes are taxes assessed on producers, that is, enterprises and general government, in respect of the production, sale, purchase or use of goods and services, which are charged to the expenses of production. Subsidies include all grants made by general government to enterprises which are credited to their production accounts.

Household disposable income (p116). *Household income* less income tax paid by persons, estate and gift duties and all other taxes, fees for services of a regulatory character, fines and gifts paid by persons to general government, consumer debt interest and transfers to overseas. Household income is the total income whether in cash or kind, received by persons normally resident in Australia in return for productive activity (such as wages and supplements, incomes of unincorporated enterprises, etc.) and transfer incomes (such as cash social service benefits, interest, etc.). It includes the imputed interest of life offices and superannuation funds, which is the benefit accruing to policy holders and members from investment income of the funds. However, it excludes any income which might be said to accrue to persons in the form of undistributed company income. It also includes any property income received by non-profit organisations such as private schools, churches, charitable organisations, etc.

Household saving (p117). Derived as a balancing item as the difference between *household disposable income* and *private final consumption expenditure*.

Household saving ratio (p118). The ratio of *household saving* to *household disposable income*.

**National accounts at average 1979-80 prices (5205.0, 5206.0, 5207.0)—**

These estimates show the values of gross domestic product and some of its main aggregates revalued in such a way that the direct effects of price changes which have occurred over the periods under review have been removed. In concept, they may be thought of as being derived by expressing the value of every component transaction as the product of a price and a quantity, and then by substituting for each actual current price the corresponding average price for the base year 1979-80. Aggregates at average 1979-80 prices for each period are then obtained by summation. For many components it is not possible in practice to use this method of revaluation because quantity data are not available. The method adopted in these cases is to effect the revaluation by means of independently constructed composite price indexes.

Gross domestic product—

Total (p92).

Gross farm product (p94).

Gross non-farm product (p96).

Gross national expenditure (p98).

Final consumption expenditure—

Private (p100).

Government (p102).

Gross fixed capital expenditure—

Total (p104).

Private (p106).

Public (p108).

Increase in stocks—

Private non-farm (p110).







## APPENDIX B

## METHODS OF ADJUSTMENT EMPLOYED

1. The method of adjustment employed for each seasonally adjusted series published by the ABS in this or other publications are as set out in the following tables, with the exception of those State series where adjustments are not available for a majority of the States. Methods used are given in Tables 1 and 2 for Australian series and in Table 3 for State series.

2. Directly adjusted series have generally been calculated by means of computer programs of the Census Method II, X-11 Variant (for monthly series) and the X-11Q Variant (for quarterly series). As described in paragraphs 16 to 19 of the notes on 'Seasonal Adjustment Methods', the manner in which these programs have been employed for each series depends on the selection made from among alternative optional procedures allowed for in the programs. The selection of specific program options for each individual series has been guided by initial analyses using standard options, as well as evidence from special analyses.

3. Moving averages for trend in monthly series are options specified in accordance with moving averages selected by the X-11 program in analyses made beforehand. Moving averages for monthly seasonal factors are standard (3x5-term) except where alternative options are specified. The X-11Q program has only standard moving averages for trend (5-term) and seasonal factors (3x5-term). The weight patterns of the moving averages used for trend estimation are given in Appendix D.

4. Users should particularly note whether use has been made of trading-day adjustment and of prior adjustment for the effects of movable holidays, namely Easter and Australia Day, since their application can materially affect the results obtained and the interpretation to be placed on them. Adjustments for trading-day effects and

the effects of movable Easter and Australia Day holidays have been applied to series where special analyses made beforehand have shown that variations, arising from these effects, in the number of trading or working days in the month have significantly affected the series. For some of the series subject to trading-day adjustment, however, the results of analyses have not warranted further adjustment for Easter or Australia Day effects.

5. Users should also note whether other influences such as abrupt trend discontinuities, exceptionally large irregular movements or abrupt changes in seasonal patterns have been recognised in the seasonal adjustment process. Their presence and treatment may materially affect the seasonally adjusted figures and the interpretation of them.

6. In seasonally adjusting the series by means of the X-11 and X-11Q programs certain program options not referred to in the following tables were used. Details of these options are:

- (a) Multiplicative adjustment has been used for all series, with the exception of some components of the National Accounts series that have been additively adjusted.
- (b) Trading-day adjustments, where applied to monthly series, have been based upon prior daily weights derived from analyses made beforehand and applied to the entire series. Where trading-day adjustments have been applied, allowance for the length of month or quarter has been combined with trading-day factors.
- (c) Limits for the graduated treatment of extremes of 1.5 and 2.5 standard errors have been used for all series.



## APPENDIX B—continued

TABLE 1. AUSTRALIAN SERIES

Series description	Page no.	Moving averages used for		Adjustment made for			Other influences
		Trend	Seasonal factors	Trading — day variation	Easter	Australia Day	
AGRICULTURAL PRODUCTION—							
Beef	**	13	3x9	yes(a1)	yes	yes	no
Veal	**	13	3x5	yes(a1)	yes	yes	no
Mutton	**	13	3x5	yes(a1)	yes	yes	no
Lamb	**	13	3x5	yes(a1)	yes	yes	no
Pigmeat	**	13	3x9	yes(a1)	yes	yes	no
Total meat †	2	..	..	..	..	..	..
Whole milk intake by factories	3	13	3x5	yes	no	no	no
Brokers and dealers receipts of taxable wool †	4	..	..	..	..	..	..
MANUFACTURING PRODUCTION—							
Electricity	5	13+	3x9	yes	yes	yes(b1)	no
Gas	6	13	3x5	yes	no	no	yes(b2)
Raw steel	7	13	3x9	yes	no	yes+	yes(b3)
Pig iron	**	13	3x9	yes	no	no	no
Portland cement	8	23	3x9	yes	yes	yes+	yes(b3)
Clay bricks	9	13	3x9	yes	yes	yes	yes(b3)
Sulphuric acid	**	13	3x9	yes	no	yes	yes(b4)
Motor vehicles	10	13	3x9	yes	yes	yes	yes(b3)(b5)
Cars and station wagons	**	13	3x9	yes	yes	no	yes(b3)(b5)
Utilities and panel vans	**	13	3x9	no	yes	no	yes(b3)(b5)
Trucks and truck type vehicles	**	13	3x9	yes	yes	no	yes(b3)(b5)
Electric motors under 720W	11	13	3x9	yes(b6)	yes	yes	yes(b3)(b5)
Electric motors 720W and over	**	23	3x9	yes	yes	yes	yes(b3)(b5)
Domestic refrigerators	12	13	3x9	yes	yes	yes(b1)	yes(b3)(b5)(b7)
Clothes washing machines	**	13	3x9	yes	yes	yes	yes(b5)
Television sets	13	13	3x5	yes	yes	yes	yes(b5)
Textile floor coverings	14	13	3x9	yes	yes	yes(b1)	yes(b3)(b5)
Particle board	15	13	3x9	yes	no	no	yes(b3)(b8)
Cotton woven cloth	16	13	3x9	yes(b6)	yes	yes	yes(b5)
Woollen woven cloth	**	13	3x9	yes	yes	yes	yes(b3)(b5)(b9)
Man-made fibre woven cloth	17	13	3x9	yes	yes	no	yes(b10)
Cotton yarn	**	13	3x9	yes	yes	no	yes(b3)(b5)
Woollen yarn	18	13	3x9	yes	yes	no	yes(b3)(b5)
Beer	19	23	3x9	yes	yes	yes	no
Tobacco and cigarettes	20	23	3x9	yes	yes	yes	yes(b3)(b5)
Chocolate-based confectionery	**	13	3x9	yes	yes	yes	no
Other confectionery	**	13+	3x9	yes	yes	yes	no
Confectionery †	21	..	..	..	..	..	..
BALANCE OF PAYMENTS—							
Balance of Payments, Current Account—							
Visible trade—							
Exports f.o.b. (monthly)	**	13	3x9	yes	no	no	no
Imports f.o.b. (monthly)	**	13	3x9	yes	no	no	yes(c1)
Exports f.o.b. †	22	..	..	..	..	..	..
Rural exports †	**	..	..	..	..	..	..
Meat and preparations	**	5	3x5	no	no	no	yes(c2)
Cereals and preparations	**	5	3x5	no	no	no	no
Sugar, preparations and honey	**	5	3x5	no	no	no	yes(c3)(c4)
Wool and sheepskins	**	5	3x5	no	no	no	yes(c5)
Other rural	**	5	3x5	no	no	no	yes(c6)

For footnotes see end of table.



## APPENDIX B—continued

TABLE 1. AUSTRALIAN SERIES—continued

Series description	Page no.	Moving averages used for		Adjustment made for			Other influences
		Trend	Seasonal factors	Trading — day variation	Easter	Australia Day	
<b>BALANCE OF PAYMENTS—continued</b>							
<b>Balance of Payments, Current Account—continued</b>							
Visible trade—continued							
Non-rural exports †	**	..	..	..	..	..	..
Metal ores and minerals	**	5	3x5	no	no	no	no
Coke, coal and briquettes	**	5	3x5	no	no	no	no
Other mineral fuels	**	5	3x5	no	no	no	yes(c7)(c8)
Metals and metal manufactures	**	5	3x5	no	no	no	no
Machinery and transport	**	5	3x5	no	no	no	yes(c9)
Other non-rural	**	5	3x5	no	no	no	yes(c10)(c11)
Imports f.o.b. †	23	..	..	..	..	..	..
Food, beverages and tobacco	**	5	3x5	no	no	no	yes(c12)
Fuels	**	5	3x5	no	no	no	yes(c13)
Basic materials	**	5	3x5	no	no	no	yes(c14)(c15)
Chemicals (incl. plastics)	**	5	3x5	no	no	no	yes(c16)
Textiles, fabrics, etc.	**	5	3x5	no	no	no	yes(c17)
Metals and metal manufactures	**	5	3x5	no	no	no	yes(c18)(c19)
Machinery and transport*	**	..	..	..	..	..	..
Other imports	**	5	3x5	no	no	no	yes(c20)
Balance of trade †	24	..	..	..	..	..	..
Invisible credits—							
Gold production †	**	..	..	..	..	..	..
Transportation †	**	..	..	..	..	..	..
Travel	**	5	3x5	no	no	no	yes(c21)
Government †	**	..	..	..	..	..	..
Miscellaneous*	**	..	..	..	..	..	..
Property income †	**	..	..	..	..	..	..
Transfers †	**	..	..	..	..	..	..
Total invisible credits †	25	..	..	..	..	..	..
Invisible debits—							
Freight on imports	**	5	3x5	no	no	no	no
Other transportation †	**	..	..	..	..	..	..
Travel	**	5	3x5	no	no	no	yes(c22)+
Government †	**	..	..	..	..	..	..
Miscellaneous †	**	..	..	..	..	..	..
Property income—							
Undistributed investment income*	**	..	..	..	..	..	..
Other investment income †	**	..	..	..	..	..	..
Royalties and copyrights	**	5	3x5	no	no	no	no
Government transfers †	**	..	..	..	..	..	..
Private transfers †	**	..	..	..	..	..	..
Total invisible debits †	26	..	..	..	..	..	..
Net invisibles †	**	..	..	..	..	..	..
Balance on current account †	27	..	..	..	..	..	..
<b>MIGRATION—</b>							
Short term visitors arriving †	**	..	..	..	..	..	..
Short term Australian residents departing	**	13	3x5	yes	no	yes	yes(d1)(d2)+

For footnotes see end of table.



## APPENDIX B—continued

TABLE 1. AUSTRALIAN SERIES—continued

Series description	Page no.	Moving averages used for		Adjustment made for			Other influences
		Trend	Seasonal factors	Trading — day variation	Easter	Australia Day	
<b>THE LABOUR FORCE(e1)—</b>							
Employed persons—							
Males †+	28	..	..	..	..	..	..
Married females †+	**	..	..	..	..	..	..
All females †+	29	..	..	..	..	..	..
Persons †+	30	..	..	..	..	..	..
Unemployed persons—							
Looking for full-time work—							
15-19 years looking for first job—							
Males	**	13	3x5	no	no	no	no
Females	**	13	3x5	no	no	no	no
Persons †+	**	..	..	..	..	..	..
Total 15-19 years—							
Males+	**	13	3x5	no	no	no	no
Females+	**	13	3x5	no	no	no	no
Persons †+	**	..	..	..	..	..	..
20 years and over—							
Males	**	13	3x5	no	no	no	no
Married females	**	13	3x5	no	no	no	no
All females	**	13	3x5	no	no	no	no
Persons †+	**	..	..	..	..	..	..
Total looking for full-time work—							
Males †	31	..	..	..	..	..	..
Married females	**	13	3x5	no	no	no	no
All females †	32	..	..	..	..	..	..
Persons †+	33	..	..	..	..	..	..
Looking for part-time work—							
Males	**	13	3x5	no	no	no	no
Married females	**	13	3x5	no	no	no	no
All females	**	13	3x5	no	no	no	no
Persons †+	**	..	..	..	..	..	..
Total unemployed—							
Males †	**	..	..	..	..	..	..
Married females †	**	..	..	..	..	..	..
All females †	**	..	..	..	..	..	..
Persons †+	34	..	..	..	..	..	..
Unemployment rate—							
Looking for full-time work—							
15-19 years—							
Males †+	**	..	..	..	..	..	..
Females †+	**	..	..	..	..	..	..
Persons †+	**	..	..	..	..	..	..
20 years and over—							
Males †+	**	..	..	..	..	..	..
Married females †+	**	..	..	..	..	..	..
All females †+	**	..	..	..	..	..	..
Persons †+	**	..	..	..	..	..	..
Total looking for full-time work—							
Males †+	35	..	..	..	..	..	..
Married females †+	**	..	..	..	..	..	..
All females †+	36	..	..	..	..	..	..
Persons †+	37	..	..	..	..	..	..

For footnotes see end of table.



## APPENDIX B—continued

TABLE 1. AUSTRALIAN SERIES—continued

Series description	Page no.	Moving averages used for		Adjustment made for		Other influences	
		Trend	Seasonal factors	Trading — day variation	Easter  Australia Day		
<b>THE LABOUR FORCE—continued</b>							
Unemployment rate—continued							
Looking for part-time work—							
Males †+	**	..	..	..	..	..	..
Married females †+	**	..	..	..	..	..	..
All females †+	**	..	..	..	..	..	..
Persons †+	**	..	..	..	..	..	..
Total unemployed—							
Males †+	**	..	..	..	..	..	..
Married females †+	**	..	..	..	..	..	..
All females †+	**	..	..	..	..	..	..
Persons †+	38	..	..	..	..	..	..
The labour force—							
Full-time workers—							
15-19 years—							
Males †+	**	..	..	..	..	..	..
Females †+	**	..	..	..	..	..	..
Persons †+	**	..	..	..	..	..	..
20 years and over—							
Males †+	**	..	..	..	..	..	..
Married females †+	**	..	..	..	..	..	..
All females †+	**	..	..	..	..	..	..
Persons †+	**	..	..	..	..	..	..
Total full-time workers—							
Males †+	**	..	..	..	..	..	..
Married females †+	**	..	..	..	..	..	..
All females †+	**	..	..	..	..	..	..
Persons †+	**	..	..	..	..	..	..
Part-time workers—							
Males †+	**	..	..	..	..	..	..
Married females †+	**	..	..	..	..	..	..
All females †+	**	..	..	..	..	..	..
Persons †+	**	..	..	..	..	..	..
Total labour force—							
Males †+	39	..	..	..	..	..	..
Married females †+	**	..	..	..	..	..	..
All females †+	40	..	..	..	..	..	..
Persons †+	41	..	..	..	..	..	..
Labour force participation rate—							
Males †+	42	..	..	..	..	..	..
Married females †+	**	..	..	..	..	..	..
All females †+	43	..	..	..	..	..	..
Persons †+	**	..	..	..	..	..	..

For footnotes see end of table.



## APPENDIX B—continued

TABLE 1. AUSTRALIAN SERIES—continued

Series description	Page no.	Moving averages used for		Adjustment made for			Other influences
		Trend	Seasonal factors	Trading — day variation	Easter	Australia Day	
<b>RETAIL TRADE—</b>							
<b>Quarterly Retail Sales at Current Prices—</b>							
Food and drink †	44	..	..	..	..	..	..
Groceries	**	5	3x5	yes	yes	no	yes(f1)(f2)
Fresh meat	**	5	3x5	yes	yes	no	yes(f1)(f2)
Other food	**	5	3x5	yes	yes	no	yes(f1)(f2)
Beer, wine and spirits	**	5	3x5	yes	yes	no	yes(f1)(f2)
Clothing, hardware, electrical, etc. †	46	..	..	..	..	..	..
Clothing and drapery	**	5	3x5	yes	yes	no	yes(f1)(f2)
Footwear	**	5	3x5	yes	yes	no	yes(f1)(f2)
Hardware, china and glassware	**	5	3x5	yes	yes	no	yes(f1)(f2)
Electrical goods	**	5	3x5	yes	yes	no	yes(f1)(f2)
Furniture and floor coverings	**	5	3x5	yes	yes	no	yes(f1)(f2)
All other goods (excl. motor vehicles, parts, petrol, etc.) †	48	..	..	..	..	..	..
Chemists' goods	**	5	3x5	yes	no	no	yes(f1)(f2)
Newspapers, books and stationery	**	5	3x5	yes	no	no	yes(f1)(f2)
Other goods (excl. motor vehicles, parts, petrol, etc.)	**	5	3x5	yes	no	no	yes(f1)(f2)
All items (excl. motor vehicles, parts, petrol, etc.) †	50	..	..	..	..	..	..
<b>Quarterly Retail Sales at Average 1979-80 Prices—</b>							
Food and drink †	45	..	..	..	..	..	..
Clothing, hardware, electrical, etc. †	47	..	..	..	..	..	..
All other goods (excl. motor vehicles, parts, petrol, etc.) †	49	..	..	..	..	..	..
All items (excl. motor vehicles, parts, petrol, etc.) †	51	..	..	..	..	..	..
<b>Monthly Retail Sales—</b>							
All items (excl. motor vehicles, parts, petrol, etc.)	52	9	3x5	yes	yes	yes	yes(f9)(f10)(f11)(f12)(f13)(f14)(f15)(f16)+
<b>MOTOR VEHICLE REGISTRATIONS—</b>							
<b>Registrations of New Motor Vehicles—</b>							
Cars and station wagons	53	13	3x9	yes	yes	no	no
Other vehicles	54	13	3x9	yes	yes	no	no
Total †	55	..	..	..	..	..	..
<b>WINE—</b>							
<b>Sales of Australian Wine by Winemakers—</b>							
Dry white	**	13	3x5	no	no	no	yes(h1)
Dry red	**	13	3x5	no	no	no	yes(h1)
Table wine	56	13	3x5	no	no	no	yes(h1)
Sparkling	**	23	3x5	no	no	no	yes(h1)
Total wine	57	23	3x5	yes	no	no	yes(h1)
<b>TRACTORS—</b>							
New Wheeled Tractors Sold for Agricultural Purposes	**	5	3x5	no	yes	no	yes(i1)(i2)

For footnotes see end of table.



## APPENDIX B—continued

TABLE 1. AUSTRALIAN SERIES—continued

Series description	Page no.	Moving averages used for		Adjustment made for			Other influences
		Trend	Seasonal factors	Trading — day variation	Easter	Australia Day	
<b>BUILDING—</b>							
<b>Building Approved—</b>							
Number of—							
Total new dwellings approved	**	13	3x9	yes	yes	yes	yes(j1)(j2)(j3)+
New private dwellings approved	58	13	3x9	yes	yes	yes+	yes(j1)(j2)(j3)+
Total new houses approved	**	13	3x9	yes	yes	yes	yes(j2)(j3)+
New private houses approved	**	13	3x9	yes	yes	yes+	yes(j2)(j3)+
Value of—							
Total new dwellings approved	**	13	3x9	yes	yes	yes	yes(j1)(j2)(j3)+
Alterations and additions to dwellings	**	13	3x9	yes	no	no	no
Total building approved	59	13	3x9	yes	yes	no	yes(j3)(j4)+
<b>Building Commenced—</b>							
Number of—							
Total new dwellings commenced	**	5	3x5	no	no	no	yes(j5)(j6)+
New private dwellings commenced	60	5	3x5	no	no	no	yes(j5)(j6)+
Total new houses commenced	**	5	3x5	no	no	no	yes(j5)(j6)+
New private houses commenced	**	5	3x5	no	no	no	yes(j5)(j6)+
Value of—							
Total new dwellings commenced	61	5	3x5	no	no	no	yes(j5)(j6)+
Other building commenced	62	5	3x5	no	no	no	yes(j5)(j6)+
Total building commenced	63	5	3x5	no	no	no	yes(j5)(j6)+
<b>Building Under Construction—</b>							
Number of—							
Total new dwellings under construction	**	5	3x5	no	no	no	yes(j5)(j6)+
<b>Building Completed—</b>							
Number of—							
Total new dwellings completed	**	5	3x5	no	no	no	yes(j5)(j6)+
New houses completed	**	5	3x5	no	no	no	yes(j5)(j6)+
Other new dwellings completed	**	5	3x5	no	no	no	yes(j5)(j6)+
Value of—							
Total new dwellings completed	64	5	3x5	no	no	no	yes(j5)(j6)+
Alterations and additions to dwellings completed	**	5	3x5	no	no	no	yes(j5)(j6)+
Other building completed	**	5	3x5	no	no	no	yes(j5)(j6)+
Total building completed	65	5	3x5	no	no	no	yes(j5)(j6)+
<b>Value of Work Done on—</b>							
New houses	66	5	3x5	no	no	no	yes(j5)(j6)+
Other new dwellings	**	5	3x5	no	no	no	yes(j5)(j6)+
Total new dwellings	67	5	3x5	no	no	no	yes(j5)(j6)+
Alterations and additions to dwellings	**	5	3x5	no	no	no	yes(j5)(j6)+
Other building	68	5	3x5	no	no	no	yes(j5)(j6)+
Private other building	**	5	3x5	no	no	no	yes(j5)(j6)+
Total building	69	5	3x5	no	no	no	yes(j5)(j6)+

For footnotes see end of table.



## APPENDIX B—continued

TABLE 1. AUSTRALIAN SERIES—continued

Series description	Page no.	Moving averages used for		Adjustment made for			Other influences
		Trend	Seasonal factors	Trading — day variation	Easter	Australia Day	
<b>CAPITAL EXPENDITURE—</b>							
<b>Actual New Fixed Capital Expenditure by Private Enterprises—</b>							
New buildings and structures—							
Mining	**	5	3x5	no	no	no	yes(k1)+
Manufacturing	**	5	3x5	no	no	no	yes(k1)+
Finance, property and business services	**	5	3x5	no	no	no	yes(k1)+
Other selected industries	**	5	3x5	no	no	no	yes(k1)+
All industries	70	5	3x5	no	no	no	yes(k3)+
Other new capital equipment—							
Mining	**	5	3x5	no	no	no	yes(k1)(k4)+
Manufacturing	**	5	3x5	no	no	no	yes(k1)(k4)+
Finance, property and business services	**	5	3x5	no	no	no	yes(k1)(k4)
Other selected industries	**	5	3x5	no	no	no	yes(k1)(k2)
All industries	71	5	3x5	no	no	no	(k6) yes(k2)(k3) (k4)+
Total new capital expenditure—							
Mining	72	5	3x5	no	no	no	yes(k1)(k4)+
Manufacturing	73	5	3x5	no	no	no	yes(k1)(k4)+
Food, beverages and tobacco	**	5	3x5	no	no	no	yes(k1)
Paper and printing	**	5	3x5	no	no	no	yes(k1)(k5)
Chemicals	**	5	3x5	no	yes	no	yes(k1)
Basic metal products	**	5	3x5	no	no	no	yes(k1)(k2)
Fabricated metal products	**	5	3x5	no	no	no	(k4) no
Other manufacturing	**	5	3x5	no	no	no	yes(k1)
Finance, property and business services	74	5	3x5	no	no	no	yes(k1)(k4)+
Other selected industries	75	5	3x5	no	no	no	yes(k1)(k2)
Wholesale trade	**	5	3x5	no	no	no	(k6) no
Retail trade	**	5	3x5	no	no	no	yes(k1)
Other non-manufacturing	**	5	3x5	no	no	no	yes(k1)
All industries	76	5	3x5	no	no	no	yes(k2)(k3) (k4)+
<b>MANUFACTURERS' SALES—</b>							
<b>Actual Sales by Private Manufacturing Enterprises at Current Prices—</b>							
Total †+	**	..	..	..	..	..	..
<b>Actual Sales by Private Manufacturing Enterprises at Average 1979-80 Prices—</b>							
Food, beverages and tobacco	**	5	3x5	no	no	no	no
Textiles, clothing and footwear	**	5	3x5	no	yes	no	no
Paper, paper products, printing and publishing	**	5	3x5	no	no	no	no
Chemical, petroleum and coal products	**	5	3x5	no	no	no	no
Basic metal products	**	5	3x5	no	no	no	no
Transport equipment	**	5	3x5	no	no	no	no
Fabricated metal products, other machinery and equipment	**	5	3x5	no	yes	no	no
Other manufacturing	**	5	3x5	no	yes	no	no
Total †+	**	..	..	..	..	..	..

For footnotes see end of table.



## APPENDIX B—continued

TABLE 1. AUSTRALIAN SERIES—continued

Series description	Page no.	Moving averages used for		Adjustment made for			Other influences
		Trend	Seasonal factors	Trading — day variation	Easter	Australia Day	
<b>STOCKS—</b>							
<b>Stocks Owned by Private Enterprises at Current Prices—</b>							
<b>Manufacturing—</b>							
Food, beverages and tobacco	**	5	3x5	no	no	no	yes(m1) (m2)(m3)
Textiles, clothing and footwear	**	5	3x5	no	no	no	yes(m1) (m2)(m3)
Paper, paper products, printing and publishing*	**	..	..	..	..	..	..
Chemical, petroleum and coal products	**	5	3x5	no	no	no	yes(m1) (m2)(m3)
Basic metal products*	**	..	..	..	..	..	..
Transport equipment	**	5	3x5	no	no	no	yes(m1) (m2)(m3)
Fabricated metal products, other machinery and equipment*	**	..	..	..	..	..	..
Other manufacturing	**	5	3x5	no	no	no	yes(m1) (m2)(m3)
Total manufacturing	**	5	3x5	no	no	no	yes(m1) (m2)(m3)
Wholesale trade	**	5	3x5	no	no	no	yes(m1) (m2)(m3)
Retail trade (excl. cafes and restaurants, gas and electricity)(c)	**	5	3x5	no	no	no	yes(m1) (m2)(m3)
Other †	**	..	..	..	..	..	..
Total (excl. construction)	**	5	3x5	no	no	no	yes(m1) (m2)(m3)
<b>Stocks Owned by Private Enterprises at Average 1979-80 Prices—</b>							
Manufacturing	**	5	3x5	no	no	no	no
Other industries+	**	5	3x5	no	no	no	no
Total †	**	..	..	..	..	..	..
<b>MANUFACTURERS' GROSS PRODUCT—</b>							
<b>Index of Manufacturing Gross Product at Average 1979-80 Prices—</b>							
Total †	**	..	..	..	..	..	..
<b>MONEY SUPPLY—</b>							
<b>Volume of Money—</b>							
Definition M1 †	77	..	..	..	..	..	..
Definition M2 †	78	..	..	..	..	..	..
Definition M3 †	79	..	..	..	..	..	..
<b>BANKING—</b>							
<b>Savings Banks—</b>							
Depositors' balances	80	9	3x5	no	no	no	yes(p1)(p2)
<b>Major Trading Banks—</b>							
Total deposits †	81	..	..	..	..	..	..
Loans, advances, etc. (excl. temporary advances to wool buyers, etc.)	**	9	3x5	no	no	no	yes(p3)(p4) (p5)(p6)
Total loans, advances, etc.	82	9	3x5	no	no	no	yes(p3)(p4) (p5)(p6)
Liquid assets and Commonwealth Government securities	83	9	3x5	no	no	no	yes(p3)
New and increased lending commitments †	84	..	..	..	..	..	..
Overdraft limits outstanding	**	9	3x5	no	no	no	yes(p3)(p5) (p7)+

For footnotes see end of table.



## APPENDIX B—continued

TABLE 1. AUSTRALIAN SERIES—continued

Series description	Page no.	Moving averages used for		Adjustment made for			Other influences
		Trend	Seasonal factors	Trading — day variation	Easter	Australia Day	
<b>HOUSING FINANCE—</b>							
<b>Housing Finance for Owner Occupation, Loans Approved to Individuals for Construction or Purchase of Dwellings—</b>							
Construction of dwellings—							
Number of dwelling units for which loans have been approved by—							
Savings banks	**	13	3x5	yes	yes	no	no
Trading banks	**	13	3x5	yes	yes	no	no
Permanent building societies	**	13	3x5	yes	yes	no	no
Value of loans approved by—							
Savings banks	**	13	3x5	yes	yes	no	no
Trading banks	**	13	3x5	yes	yes	no	no
Permanent building societies	**	13	3x5	yes	yes	no	no
Purchase of newly erected dwellings—							
Number of dwelling units for which loans have been approved by—							
Savings banks	**	13	3x5	yes	yes	no	no
Trading banks	**	23	3x5	yes	yes	no	no
Permanent building societies	**	13	3x5	yes	yes	no	no
Value of loans approved by—							
Savings banks	**	13	3x5	yes	yes	no	no
Trading banks	**	23	3x5	yes	yes	no	no
Permanent building societies	**	13	3x5	yes	yes	no	no
Purchase of established dwellings—							
Number of dwelling units for which loans have been approved by—							
Savings banks	**	13	3x9	yes	yes	no	no
Trading banks	**	13	3x9	yes	yes	no	no
Permanent building societies	**	9	3x5	yes	yes	no	no
Value of loans approved by—							
Savings banks	**	13	3x9	yes	yes	no	no
Trading banks	**	9	3x5	yes	yes	no	no
Permanent building societies	**	9	3x5	yes	yes	no	no
Total—							
Number of dwelling units for which loans have been approved by—							
Savings banks †	85	..	..	..	..	..	..
Trading banks †	86	..	..	..	..	..	..
Permanent building societies †	87	..	..	..	..	..	..
Value of loans approved by—							
Savings banks †	88	..	..	..	..	..	..
Trading banks †	89	..	..	..	..	..	..
Permanent building societies †	90	..	..	..	..	..	..

For footnotes see end of table.



## APPENDIX B—continued

TABLE 1. AUSTRALIAN SERIES—continued

Series description	Page no.	Moving averages used for		Adjustment made for			Other influences
		Trend	Seasonal factors	Trading — day variation	Easter	Australia Day	
<b>NATIONAL ACCOUNTS—</b>							
<b>National Accounts at Current Prices—</b>							
Household Income—							
Wages, salaries and supplements	113	5	3x5	no	no	no	yes(r1)
Income of farm unincorporated enterprises †	**	..	..	..	..	..	..
Income of other unincorporated enterprises and from dwellings and interest and dividends †	**	..	..	..	..	..	..
Third party insurance transfers*	**	..	..	..	..	..	..
Transfers from overseas †	**	..	..	..	..	..	..
Transfers from general government—							
Cash benefits †	**	..	..	..	..	..	..
Unfunded employee retirement benefits(r2)	**	5	3x5	no	no	no	no
Total †	**	..	..	..	..	..	..
Household Outlay—							
Private final consumption †	**	..	..	..	..	..	..
Consumer debt interest*	**	..	..	..	..	..	..
Income tax paid †	**	..	..	..	..	..	..
Other direct taxes, fees, fines, etc. †	**	..	..	..	..	..	..
Transfers overseas †	**	..	..	..	..	..	..
Savings †	117	..	..	..	..	..	..
Total †	**	..	..	..	..	..	..
Household Disposable Income †	116	..	..	..	..	..	..
Household Saving Ratio(r3)	118	..	..	..	..	..	..
Gross Domestic Product—							
Gross farm product †	93	..	..	..	..	..	..
Gross non-farm product †	95	..	..	..	..	..	..
Total †	91	..	..	..	..	..	..
Gross Domestic Product at Factor Cost †	114	..	..	..	..	..	..
Gross Operating Surplus—							
Trading enterprises—							
Companies †	111	..	..	..	..	..	..
Dwellings owned by persons	**	5	3x5	no	no	no	yes(r4)
Public enterprises	**	5	3x5	no	no	no	no
Other †	112	..	..	..	..	..	..
Financial enterprises less imputed bank service charge †	**	..	..	..	..	..	..
Indirect Taxes less Subsidies †	115	..	..	..	..	..	..
Exports of Goods and Services †	**	..	..	..	..	..	..
Imports of Goods and Services †	**	..	..	..	..	..	..
Gross National Expenditure †	97	..	..	..	..	..	..

For footnotes see end of table.



## APPENDIX B—continued

TABLE 1. AUSTRALIAN SERIES—continued

Series description	Page no.	Moving averages used for		Adjustment made for			Other influences
		Trend	Seasonal factors	Trading — day variation	Easter	Australia Day	

**NATIONAL ACCOUNTS—continued**

**National Accounts at Current Prices—continued**

Final Consumption Expenditure—

Private—

Food	**	5	3x5	yes	yes	no	no
Cigarettes and tobacco	**	5	3x5	no	no	no	yes(r5)(r6)
Alcoholic drinks	**	5	3x5	yes	yes	no	no
Clothing, footwear and drapery †	**	..	..	..	..	..	..
Household appliances	**	5	3x5	yes	yes	no	yes(r7)
Other household durables †	**	..	..	..	..	..	..
Dwelling rent*	**	..	..	..	..	..	..
Gas, electricity and fuel †	**	..	..	..	..	..	..
Fares	**	5	3x5	no	no	no	yes(r8)
Purchase of motor vehicles	**	5	3x5	no	no	no	no
Postal and telephone services(r9)	**	..	..	..	..	..	..
Other goods and services †	**	..	..	..	..	..	..
Total †	99	..	..	..	..	..	..
Government †	101	..	..	..	..	..	..

Gross Fixed Capital Expenditure—

Private—

Dwellings	**	5	3x5	no	no	no	yes(r10)
Non-dwelling construction	**	5	3x5	no	no	no	no
All other	**	5	3x5	no	no	no	yes(r11)+
Total †	105	..	..	..	..	..	..

Public—

Public enterprises †	**	..	..	..	..	..	..
General government †	**	..	..	..	..	..	..
Total †	107	..	..	..	..	..	..
Total †	103	..	..	..	..	..	..

Increase in Stocks—

Farm and miscellaneous †	**	..	..	..	..	..	..
Private non-farm †	109	..	..	..	..	..	..
Total †	**	..	..	..	..	..	..

Statistical Discrepancy †

	**	..	..	..	..	..	..
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**National Accounts at Average 1979-80 Prices—**

Gross Domestic Product—

Gross farm product †	94	..	..	..	..	..	..
Gross non-farm product +	96	5	3x5	no	no	no	yes(r12)(r13)
Total †	92	..	..	..	..	..	..

Exports of Goods and Services †

	**	..	..	..	..	..	..
--	----	----	----	----	----	----	----

Imports of Goods and Services †

	**	..	..	..	..	..	..
--	----	----	----	----	----	----	----

Gross National Expenditure †

	98	..	..	..	..	..	..
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For footnotes see end of table.



## APPENDIX B—continued

TABLE 1. AUSTRALIAN SERIES—continued

Series description	Page no.	Moving averages used for		Adjustment made for			Other influences
		Trend	Seasonal factors	Trading — day variation	Easter	Australia Day	

**NATIONAL ACCOUNTS—continued**

**National Accounts at Average 1979-80**

**Prices—continued**

Final Consumption Expenditure—

Private—

Food	**	5	3x5	yes	yes	no	no
Cigarettes and tobacco	**	5	3x5	no	no	no	yes(r6)(r10)
Alcoholic drinks	**	5	3x5	yes	yes	no	no
Clothing, footwear and drapery †	**	..	..	..	..	..	..
Household appliances	**	5	3x5	yes	yes	no	yes(r15)
Other household durables †	**	..	..	..	..	..	..
Dwelling rent*	**	..	..	..	..	..	..
Gas, electricity and fuel †	**	..	..	..	..	..	..
Fares	**	5	3x5	no	no	no	yes(r8)
Purchase of motor vehicles	**	5	3x5	no	no	no	no
Postal and telephone services(r9)	**	..	..	..	..	..	..
Other goods and services †	**	..	..	..	..	..	..
Total †	100	..	..	..	..	..	..
Government †	102	..	..	..	..	..	..

Gross Fixed Capital Expenditure—

Private—

Dwellings	**	5	3x5	no	no	no	yes(r10)
Other building and construction	**	5	3x5	no	no	no	no
All other	**	5	3x5	no	no	no	yes(r11)+
Total †	106	..	..	..	..	..	..
Public †	108	..	..	..	..	..	..
Total †	104	..	..	..	..	..	..

Increase in Stocks—

Farm and miscellaneous †	**	..	..	..	..	..	..
Private non-farm †	118	..	..	..	..	..	..
Total †	**	..	..	..	..	..	..

Statistical Discrepancy †

**	..	..	..	..	..	..	..
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\* Original series used. Seasonality insignificant.

\*\* Series not published in this publication.

+ Denotes change in option or method previously selected for the adjustment of a series.

† Series aggregatively or otherwise indirectly adjusted. See Table 2.

- (a1) Separate trading-day weights have been derived for the periods up to March 1973 and from April 1973 because of apparent changes in trading-day variation.
- (b1) A significant effect is not present in 1982. The significant effect observed in previous years is removed from the seasonally adjusted series.
- (b2) An abrupt change in seasonality affecting most months from February 1970, due to the introduction of natural gas. The effect is not present in the seasonally adjusted series.
- (b3) An abrupt change in seasonality affecting mainly January due to the extension of statutory leave in January 1975. The effect is not present in the seasonally adjusted series.
- (b4) Two abrupt changes in seasonality, one affecting mainly June and July from June 1968, due to changes in the pattern of annual leave and plant maintenance arrangements, and the other from June 1972. The effect is not present in the seasonally adjusted series.
- (b5) An abrupt change in the seasonality affecting mainly December and January due to the extension of statutory annual leave in October 1963. The effect is not present in the seasonally adjusted series.
- (b6) In the adjustment, account was taken of an abrupt change in trading-day pattern in July 1963 and March 1970.



APPENDIX B—*continued*TABLE 1. AUSTRALIAN SERIES—*continued*

- (b7) An abrupt change in the seasonality affecting mainly January from 1972 due to changes in production patterns. The effect is not present in the seasonally adjusted series.
- (b8) An abrupt change in seasonality affecting mainly January from January 1978. The effect is not present in the seasonally adjusted series.
- (b9) An abrupt change in the level of the series from July 1979 due to the inclusion of blanketing and rug material. The effect is present in the seasonally adjusted series.
- (b10) Two abrupt changes in seasonality from July 1964 and January 1977, mainly affecting January in both cases, due to the extension of statutory annual leave. The effects are not present in the seasonally adjusted series.
- (c1) An abrupt change in seasonality affecting May, June, July, September, November and December from May 1976. The effect is not present in the seasonally adjusted series.
- (c2) An abrupt change in seasonality affecting all quarters except June from March 1973. The effect is not present in the seasonally adjusted series.
- (c3) An abrupt change in level from September 1974, due to a large increase in the price of sugar. The effect is present in the seasonally adjusted series.
- (c4) An abrupt change in seasonality affecting all quarters from March 1975. The effect is not present in the seasonally adjusted series.
- (c5) Abrupt changes in seasonality, one affecting September and December quarters from September 1977, and the other affecting June and September quarters for the years 1974-76. The effect is not present in the seasonally adjusted series.
- (c6) An abrupt change in seasonality affecting all quarters from March 1975. The effect is not present in the seasonally adjusted series.
- (c7) An abrupt change in level from September 1981, due to the inclusion of the item "gas — natural and manufactured". The effect is present in the seasonally adjusted series.
- (c8) An abrupt change in seasonality affecting September and December quarters from September 1977. The effect is not present in the seasonally adjusted series.
- (c9) An abrupt change in seasonality affecting June and September quarters from June 1979. The effect is not present in the seasonally adjusted series.
- (c10) An abrupt change in level from September 1981 due to the exclusion of the item "gas — natural and manufactured". The effect is present in the seasonally adjusted series.
- (c11) An abrupt change in seasonality affecting all quarters except March, from December 1976. The effect is not present in the seasonally adjusted series.
- (c12) An abrupt change in level from December 1977, due to a break in the coffee component. The effect is present in the seasonally adjusted series.
- (c13) An abrupt change in level from September 1979, due to an increase in the price of fuel. The effect is present in the seasonally adjusted series.
- (c14) An abrupt change in level from March 1975. The effect is present in the seasonally adjusted series.
- (c15) An abrupt change in level from June 1979, due to changes in the duty structure of timber and timber products. The effect is present in the seasonally adjusted series.
- (c16) An abrupt change in seasonality affecting June and September quarters from June 1977. The effect is not present in the seasonally adjusted series.
- (c17) Adjustments to the level in September quarters 1978 and 1979 to remove fluctuations which were distorting the estimates of the seasonal pattern. These fluctuations remain in the seasonally adjusted series.
- (c18) An adjustment to the level in June quarter 1982 to remove a fluctuation which was distorting the trend estimate. This fluctuation remains in the seasonally adjusted series.
- (c19) An abrupt change in seasonality affecting the March and December quarters, for the years of 1976-78. The effect is not present in the seasonally adjusted series.
- (c20) Abrupt changes in seasonality, one affecting March and December quarters from December 1975, and the other affecting the same quarters from December 1979. The effect is not present in the seasonally adjusted series.



## APPENDIX B—continued

TABLE 1. AUSTRALIAN SERIES—continued

- (c21) An abrupt change in seasonality affecting all quarters from the September quarter 1967 and an abrupt change in seasonality from the March quarter 1979 due to a change in the method of compiling data. The effect is not present in the seasonally adjusted series.
- (c22) An abrupt change in seasonality affecting all quarters from December quarter 1963 and an abrupt change in seasonality from the September quarter 1971 due to a change in the method of compiling data. The effect is not present in the seasonally adjusted series.
- (d1) An abrupt change in seasonality affecting February and August from 1972. The effect is not present in the seasonally adjusted series.
- (d2) An abrupt change in seasonality from 1979, mainly affecting February, September and December, due to changes in the air-fare structure. The effect is not present in the seasonally adjusted series.
- (e1) Segmented analyses have been carried out on these series. The methods of adjustment provided refer to analyses of the latest segment, i.e. the monthly surveys that commenced in February 1978. For further information on the methods of analysis of this and the earlier quarterly segment, refer to the appendix in *The Labour Force, Australia, February 1983* (6203.0).
- (f1) An abrupt change in level from December quarter 1972 due to the introduction of series based on the 1968-69 Census of Retail Establishments. The effect is present in the seasonally adjusted series.
- (f2) An abrupt change in level from September quarter 1975 due to the introduction of series based on the 1973-74 Census of Retail Establishments. The effect is present in the seasonally adjusted series.
- (f3) An abrupt change in seasonality affecting the September and December quarters from September quarter 1973. The effect is not present in the seasonally adjusted series.
- (f4) An abrupt change in seasonality affecting the June and September quarters from June quarter 1973. The effect is not present in the seasonally adjusted series.
- (f5) An abrupt change in seasonality affecting all quarters except June from September 1963 and an abrupt change in seasonality affecting all quarters from December quarter 1972 due to the introduction of series based on the 1968-69 Census of Retail Establishments. The effect is not present in the seasonally adjusted series.
- (f6) An abrupt change in seasonality affecting all quarters except December quarters from March quarter 1974. The effect is not present in the seasonally adjusted series.
- (f7) An abrupt change in seasonality affecting all quarters from March quarter 1973. The effect is not present in the seasonally adjusted series.
- (f8) An abrupt change in seasonality affecting the March and December quarters from December quarter 1977. The effect is not present in the seasonally adjusted series.
- (f9) An abrupt change in seasonality mainly affecting December and January due to the extension of statutory annual leave in October 1963. The effect is not present in the seasonally adjusted series.
- (f10) Separate trading-day weights have been derived for the periods up to December 1968 and from January 1969 because of apparent changes in trading pattern.
- (f11) An abrupt change in level from July 1969 due to the introduction of series based on the 1968-69 Census of Retail Establishments. The effect is present in the seasonally adjusted series.
- (f12) An abrupt change in seasonality affecting October, November and December from October 1971. The effect is not present in the seasonally adjusted series.
- (f13) An abrupt change in seasonality from July 1969 due to a change in the estimation procedures for new businesses. The effect is not present in the seasonally adjusted series.
- (f14) An abrupt change in level from April 1976 due to the introduction of series based on the 1973-74 Census of Retail Establishments. The effect is present in the seasonally adjusted series.
- (f15) An abrupt change in seasonality affecting mainly December in 1973, 1974 and 1975. The effect is not present in the seasonally adjusted series.
- (f16) An abrupt change in the level of the series from April 1982 due to the introduction of the 1979-80 Retail Census data. The effect is present in the seasonally adjusted series.
- (h1) An abrupt change in the level of the series from July 1980 due to an increase in the number of winemakers in the category upon which the series is based. The effect is present in the seasonally adjusted series.



APPENDIX B—*continued*TABLE 1. AUSTRALIAN SERIES—*continued*

- (i1) An abrupt change in the seasonality mainly affecting December and January due to the extension of statutory annual leave in October 1963. The effect is not present in the seasonally adjusted series.
- (i2) An abrupt change in seasonality affecting all quarters except June from September quarter 1967. The effect is not present in the seasonally adjusted series.
- (j1) An abrupt change in the seasonality mainly affecting December and January due to the extension of statutory annual leave in October 1963. The effect is not present in the seasonally adjusted series.
- (j2) An abrupt change in the level of the series from July 1973 due to a change in definition. The effect is present in the seasonally adjusted series.
- (j3) An abrupt change in the level of the series from July 1975 due to a change in definition. The effect is present in the seasonally adjusted series.
- (j4) An adjustment to the level of the series in November 1979 to remove a large fluctuation due to the approval of an aluminium smelter in Gladstone which distorted the estimates of the seasonal pattern. This fluctuation remains in the seasonally adjusted series.
- (j5) An abrupt change in the level of the series from September quarter 1980 due to the introduction of a new collection methodology. The effect is present in the seasonally adjusted series.
- (j6) An abrupt change in the level of the series from September quarter 1981 due to changes in collection methodology. The effect is present in the seasonally adjusted series.
- (k1) An abrupt change in the level of the series from December quarter 1973 associated with the introduction of the integrated capital expenditure survey. The effect is present in the seasonally adjusted series.
- (k2) An adjustment to the level of the series in the September quarter 1980 to remove a major fluctuation which was distorting the estimates of the seasonal pattern. The fluctuation remains in the seasonally adjusted series.
- (k3) An abrupt change in the level of the series from December quarter 1973 associated with the introduction of the integrated capital expenditure survey and the exclusion of construction. The effect is present in the seasonally adjusted series.
- (k4) An abrupt change in the level of the series from the September quarter 1979 due to the effect of a reduction in the investment allowance. The effect is present in the seasonally adjusted series.
- (k5) An adjustment to the level of the series in the September quarter 1979 to remove a major fluctuation which was distorting the estimates of the seasonal pattern. The fluctuation remains in the seasonally adjusted series.
- (k6) An abrupt change in seasonality affecting the June, September and December quarters from June quarter 1976 due to the bringing forward of expenditure plans caused by the 40% investment allowance. The effect is not present in the seasonally adjusted series.
- (m1) An abrupt change in the level of the series from the June quarter 1973 due to the introduction of the integrated stocks survey and the adoption of new classifications of industry. The effect is present in the seasonally adjusted series.
- (m2) An abrupt change in the level of the series from the June quarter 1976 associated with the 1976 sample revision. The effect is present in the seasonally adjusted series.
- (m3) An abrupt change in the level of the series from the June quarter 1980 associated with the 1980 sample revision. The effect is present in the seasonally adjusted series.
- (p1) Effects of twelve-weekly and four-weekly payments of child-endowment and twelve-weekly payments of war pension paid directly into savings bank accounts. The effect is not present in the seasonally adjusted series.
- (p2) An abrupt change in the level of the series from June 1975 due to a change in accounting procedures by one bank. The effect is present in the seasonally adjusted series.
- (p3) An abrupt change in the level of the series from July 1973 due to the exclusion of Papua New Guinea data from the figures. The effect is present in the seasonally adjusted series.
- (p4) An abrupt change in seasonality affecting mainly October, November and December from 1976. The effect is not present in the seasonally adjusted series.
- (p5) An abrupt change in the level of the series from January 1978 due to a change in accounting procedures. The effect is present in the seasonally adjusted series.
- (p6) An abrupt change in the level of the series from July 1981 due to a change in accounting procedures by one bank. The effect is present in the seasonally adjusted series.



APPENDIX B—*continued*TABLE 1. AUSTRALIAN SERIES—*continued*

- (p7) An abrupt change in the level of the series from October 1982 due to a change in accounting procedures by one bank. The effect is present in the seasonally adjusted series.
- (r1) The effects of major awards and determinations of Australian and State industrial authorities. (The effects of these awards and determinations are retained in the seasonally adjusted data.) Also, allowance was made for the varying incidence of pay periods.
- (r2) This series is only adjusted from the September quarter 1973, with a prior modification for Commonwealth pay-days from September quarter 1978.
- (r3) The ratio of *household saving* to *household disposable income*. (See Table 2.)
- (r4) An abrupt change in seasonality affecting the June and September quarters from 1976 due to an increasing shift to the payment of local government rates by instalments. The effect is not present in the seasonally adjusted series.
- (r5) An abrupt change in seasonality affecting the June and September quarters from June quarter 1973. The effect is not present in the seasonally adjusted series.
- (r6) An abrupt change in seasonality from the December quarter 1970 affecting all quarters. The effect is not present in the seasonally adjusted series.
- (r7) An abrupt change in seasonality affecting all quarters except December quarters from March quarter 1974. The effect is not present in the seasonally adjusted series.
- (r8) An abrupt change in seasonality from the March quarter 1967 affecting all quarters. The effect is not present in the seasonally adjusted series.
- (r9) This series shows no seasonality. However, an adjustment has been made to allow for the effects of Easter.
- (r10) An abrupt change in the level of the series from September quarter 1980 due to the introduction of a new collection methodology. The effect is present in the seasonally adjusted series.
- (r11) Adjustments to the levels of the series in December quarter 1981 and June quarter 1982 due to purchases of capital equipment from public enterprises. The effect is present in the seasonally adjusted series.
- (r12) This series is not aggregatively adjusted like the current price series. Since *wages, salaries and supplements* accounts for approximately eighty per cent of this series an allowance is made for the pay-day effect in the estimated component in a manner similar to that in the current price *wages, salaries and supplements* series.
- (r13) A prior correction has been made for the effects of major fluctuations in March and June 1979 due to a back payment of stamp duty by Victorian insurance companies as a result of changes made to the timing of payments (from annual to monthly). These fluctuations do not appear in the seasonally adjusted series.
- (r14) An abrupt change in seasonality from the June quarter 1973 affecting all quarters except December. The effect is not present in the seasonally adjusted series.
- (r15) An abrupt change in seasonality from the March quarter 1974 affecting all quarters. The effect is not present in the seasonally adjusted series.







## APPENDIX B—continued

TABLE 2. AGGREGATIVELY ADJUSTED AUSTRALIAN SERIES

It should be noted that, except where otherwise stated, the directly adjusted quarterly series referred to in the table below have been seasonally adjusted multiplicatively by the X-11Q program using a 5-term trend moving average, a 3x5-term seasonal moving average, and standard limits for graduated treatment of extremes of 1.5 & 2.5 standard deviations.

Series that are published in this publication have their page numbers given in brackets after the title. The symbol \*\* indicates that the series is not published in this publication.

**AGRICULTURAL PRODUCTION—**

Total meat (p2). The sum of *beef, veal, mutton, lamb and pigmeat*. (See Table 1).

Brokers' and dealers' receipts of taxable wool (p4). The sum of *brokers' receipts of taxable wool and dealers' receipts of taxable wool*. Both adjusted multiplicatively using a 13-term trend moving average, a 3x9-term seasonal moving average, standard limits for graduated treatment of extremes, an adjustment for trading-day variation, and allowance for an abrupt change in the level of the series from August 1980.

**MANUFACTURING PRODUCTION—**

Confectionery (p21). The sum of *chocolate-based confectionery and other confectionery*. (See Table 1).

**BALANCE OF PAYMENTS—****Balance of Payments, current account—****Visible trade—**

Rural exports (\*\*). The sum of *meat and meat preparations, cereals and cereal preparations, sugar, sugar preparations, and honey, wool and sheepskins and other rural exports*. (See Table 1).

Non-Rural exports (\*\*). The sum of *metal ores and minerals, coke, coal and briquettes, other mineral fuels, machinery and transport equipment, metals and metal manufactures and other non-rural exports*. (See Table 1).

Exports f.o.b. (p22). The sum of *rural exports and non-rural exports* described above.

Imports f.o.b. (p23). The sum of *food, beverages and tobacco, fuels, basic materials, chemicals (including plastics), textiles, fabrics, etc, metals and metal manufactures, machinery and transport equipment and other imports*.

Balance of trade (p24). The difference between *exports f.o.b.* and *imports f.o.b.* (described above).

**Invisible credits—**

Gold production (\*\*). Directly adjusted (with a prior correction for an abrupt change in seasonality affecting all quarters except March from September quarter 1964) up to June quarter 1969. From September quarter 1969 until December quarter 1975 adjusted by subtracting *imports of gold* from *exports of gold* (both directly adjusted). From March quarter 1976, *exports of gold* and *imports of gold* are included in the relevant visible trade items.

Transportation (\*\*). The sum of *expenditure of overseas shipping, expenditure of overseas airlines* (both directly adjusted from March quarter 1976) and *receipts of Australian carriers* (directly adjusted with prior correction for two breaks in seasonal pattern due to changes in the method of estimating the original data in September quarter 1970 and March quarter 1973).

Travel (\*\*). (See Table 1).

Government (\*\*). The sum of *Australian government services to non-residents* (not adjusted), *foreign government expenditure on diplomatic and consular representation* (not adjusted prior to March quarter 1965, directly adjusted from March quarter 1965 to June quarter 1972 and not adjusted since) and *expenditure on United States government communication bases* (not adjusted).

Miscellaneous (\*\*). (See Table 1).

Property income (\*\*). The sum of *interest on international reserves and IMF income* (directly adjusted with prior correction for a differing seasonal pattern in the period from September quarter 1964 to the June quarter 1969, during which there were large U.K. holdings of stocks and bonds), *royalties and portfolio investment* (directly adjusted from September quarter 1973), *undistributed income* (not adjusted) and *remitted profits and interest* (not adjusted).

Transfers (\*\*). The sum of *immigrants' funds* (directly adjusted), *pensions* (directly adjusted with prior correction for an abrupt change in the level of the series from September quarter 1970 and June quarter 1978 due to changes in inter-government arrangements of payments) and *other* (not adjusted).

Total invisible credits (p25). The sum of the seven individual credit items described above.

**Invisible debits—**

Freight on imports (\*\*). (See Table 1).

Other transportation (\*\*). The sum of *shipping fares* (directly adjusted with prior correction for abrupt changes in seasonal pattern in March quarter 1967 due to the closure of the Suez canal and in December quarter 1970 due to a change in the method of estimating the data), *receipts of overseas airlines plus assisted passages* (directly adjusted) and *other* (directly adjusted since September 1969).

Travel (\*\*). (See Table 1).

Government (\*\*). The sum of *defence expenditure* (directly adjusted with prior correction for an abrupt change in seasonal pattern from September quarter 1960 due to the establishment of the Butterworth Air Force base) and *other* (directly adjusted with prior correction for an abrupt change in seasonality from September quarter 1966 due to a change in the method of estimating the data).

Miscellaneous (\*\*). The sum of *re-insurance premiums, business expenses of Australian companies* (both not adjusted) and *other* (directly adjusted with prior correction for an abrupt change in seasonality from September quarter 1965).



## APPENDIX B—continued

TABLE 2. AGGREGATIVELY ADJUSTED AUSTRALIAN SERIES—continued

## BALANCE OF PAYMENTS—continued

## Property income—

Undistributed investment income (\*\*). Not adjusted.

Other investment income (\*\*). The sum of *portfolio dividends and interest* (directly adjusted with prior correction for a change in seasonal pattern in September quarter 1964 due to a change in the method of estimating the data), *interest on public authority debt* (directly adjusted), and *remitted profits and interest* (directly adjusted with allowance made for unusually large irregular values, the effects of which still remain in the seasonally adjusted data, and prior correction for changes in seasonal pattern from September quarter 1963 and March quarter 1969).

Royalties and copyrights (\*\*). (See Table 1).

Government transfers (\*\*). The sum of *Papua New Guinea* (directly adjusted with allowance for a double payment in September 1977 followed by an unusually low figure for December quarter 1977, the effects of which were distorting the estimates of the seasonal pattern. These fluctuations remain in the seasonally adjusted series), *pensions* (not adjusted), and *other foreign aid* (directly adjusted with allowance made for unusually large irregular items, which still remain in the seasonally adjusted series).

Private transfers (\*\*). The sum of *emigrants' funds* (not adjusted) and *other* (directly adjusted).

Total invisible debits (p26). The sum of the ten individual debit items above.

Net invisibles (\*\*). The difference between *invisible credits* and *invisible debits* (described above).

Balance on current account (p27). The sum of *balance of trade* and *net invisibles* (described above).

## MIGRATION—

Short-term visitors arriving (\*\*). The sum of *short-term visitors excluding U.S. troops arriving for rest and recreation leave* (adjusted multiplicatively, using a 13-term trend moving average, a 3x5-term seasonal moving average, standard limits for graduated treatment of extremes, with adjustment for trading-day variation and prior adjustment for the effects of the 1962 Commonwealth Games, the 1971 Rotary Convention and the November 1977 Pacific Conference Games, and Easter) and *U.S. troops arriving for rest and recreation leave* (adjusted only for trading-day variation). Note that the effects of the Rotary Convention, etc. have been retained in the seasonally adjusted series.

## THE LABOUR FORCE—

## Employed persons—

Males (p28). The sum of *15-19 years full-time employed males*, *20 + years full-time employed males* and *part-time employed males*, (each series adjusted multiplicatively, using a 13-term trend moving average, a 3x5-term seasonal moving average, and standard limits for graduated treatment of extremes).

Married females (\*\*). The sum of *full-time employed married females* and *part-time employed married females*, (each series adjusted multiplicatively, using a 13-term trend moving average, a 3x5-term seasonal moving average, and standard limits for graduated treatment of extremes).

All females (p29). The sum of *15-19 years full-time employed females*, *20 + years full-time employed females* and *part-time employed females*, (each series adjusted multiplicatively, using a 13-term trend moving average, a 3x5 term seasonal moving average, and standard limits for graduated treatment of extremes).

Persons (p30). The sum of *males* and *all females*. (See above).

## Unemployed persons—

## Looking for full-time work—

## 15-19 years looking for first job—

Persons (\*\*). The sum of *males* and *females*. (See Table 1).

## Total 15-19 years—

Persons (\*\*). The sum of *males* and *females*. (See Table 1).

## 20 years and over—

Persons (\*\*). The sum of *males* and *females*. (See Table 1).

## Total looking for full-time work—

Males (p31). The sum of *total 15-19 years—males* and *20 years and over—males*. (See Table 1).

All Females (p32). The sum of *total 15-19 years—females* and *20 years and over—all females*. (See Table 1).

Persons (p33). The sum of *males* and *all females* (described above).

## Looking for part-time work—

Persons (\*\*). The sum of *males* and *all females*. (See Table 1).

## Total unemployed—

Males (\*\*). The sum of *total looking for full-time work-males* and *looking for part-time work-males*. (See Table 1).

Married females (\*\*). The sum of *total looking for full-time work-married females*, and *looking for part-time work-married females*. (See Table 1).

All females (\*\*). The sum of *total looking for full-time work-all females*, and *looking for part-time work-all females*. (See Table 1).

Persons (p34). The sum of *males* and *all females* (see above).



## APPENDIX B—continued

TABLE 2. AGGREGATIVELY ADJUSTED AUSTRALIAN SERIES—continued

## THE LABOUR FORCE—continued

## Unemployment rate—

## Looking for full-time work—

## 15-19 years—

Males (\*\*). *Unemployed males—looking for full-time work—15-19 years* (see Table 1) divided by the *labour force—full-time workers 15-19 years—males* (see below).

Females (\*\*). *Unemployed females—looking for full-time work—15-19 years* (see Table 1) divided by the *labour force—full-time workers 15-19 years—females* (see below).

Persons (\*\*). *Unemployed persons—looking for full-time work—15-19 years* (see above) divided by the *labour force—full-time workers 15-19 years—persons* (see below).

## 20 years and over—

Males (\*\*). *Unemployed males—looking for full-time work—20 years and over* (see Table 1) divided by the *labour force—full-time workers 20 years and over—males* (see below).

Married females (\*\*). *Unemployed married females—looking for full-time work—20 years and over* (see Table 1) divided by the *labour force—full-time workers 20 years and over—married females* (see below).

All females (\*\*). *Unemployed females—looking for full-time work—20 years and over* (see Table 1) divided by the *labour force—full-time workers—20 years and over—females* (see below).

Persons (\*\*). *Unemployed persons—looking for full-time work—20 years and over* (see above) divided by the *labour force—full-time workers—20 years and over—persons* (see below).

## Total looking for full-time work—

Males (p35). *Total unemployed males looking for full-time work* (see above) divided by the *labour force full-time workers—males* (see below).

Married females (\*\*). *Total unemployed married females looking for full-time work* (see Table 1) divided by the *labour force full-time workers—married females* (see below).

All females (p36). *Total unemployed females looking for full-time work* (see above) divided by the *labour force full-time workers—females* (see below).

Persons (p37). *Total unemployed persons looking for full-time work* (see above) divided by the *labour force full-time workers—persons* (see below).

## Looking for part-time work—

Males (\*\*). *Unemployed males looking for part-time work* (see Table 1) divided by the *labour force part-time workers—males* (see below).

Married females (\*\*). *Unemployed married females looking for part-time work* (see Table 1) divided by the *labour force part-time workers—married females* (see below).

All females (\*\*). *Unemployed females looking for part-time work* (see Table 1) divided by the *labour force part-time workers—females* (see below).

Persons (\*\*). *Unemployed persons looking for part-time work* (see above) divided by the *labour force part-time workers—persons* (see below).

## Total Unemployed—

Males (\*\*). *Total unemployed—males* (see above) divided by the *total labour force—males* (see below).

Married females (\*\*). *Total unemployed—married females* (see above) divided by the *total labour force—married females* (see below).

All females (\*\*). *Total unemployed—females* (see above) divided by the *total labour force—females* (see below).

Persons (p38). *Total unemployed—persons* (see above) divided by the *total labour force—persons* (see below).

## The labour force—

## Full-time workers—

## 15-19 years—

Males (\*\*). The sum of *15-19 years full-time employed males* (adjusted multiplicatively, using a 13-term trend moving average, a 3x5-term seasonal moving average, and standard limits for graduated treatment of extremes), and *15-19 years unemployed males looking for full-time work* (see Table 1).

Females (\*\*). The sum of *15-19 years full-time employed females* (adjusted multiplicatively, using a 13-term trend moving average, a 3x5-term seasonal moving average, and standard limits for graduated treatment of extremes), and *15-19 years unemployed females looking for full-time work* (see Table 1).

Persons (\*\*). The sum of the *labour force full-time workers 15-19 years—males* and *labour force full-time workers 15-19 years—females* (see above).

## 20 years and over—

Males (\*\*). The sum of *20 years and over full-time employed males* (adjusted multiplicatively, using a 13-term trend moving average, a 3x5-term seasonal moving average, and standard limits for graduated treatment of extremes), and *20 years and over unemployed males looking for full-time work* (see Table 1).

Married females (\*\*). The sum of *20 years and over full-time employed married females* (adjusted multiplicatively, using a 13-term trend moving average, a 3x5-term seasonal moving average, and standard limits for graduated treatment of extremes), and *20 years and over unemployed married females looking for full-time work* (see Table 1).

All females (\*\*). The sum of *20 years and over full-time employed females* (adjusted multiplicatively, using a 13-term trend moving average, a 3x5-term seasonal moving average, and standard limits for graduated treatment of extremes) and *20 years and over unemployed females looking for full-time work* (see Table 1).

Persons (\*\*). The sum of *labour force full-time workers 20 years and over—males* and *labour force full-time workers 20 years and over—females*. (See above).



## APPENDIX B—continued

TABLE 2. AGGREGATIVELY ADJUSTED AUSTRALIAN SERIES—continued

## THE LABOUR FORCE —continued

## Total full-time workers—

Males (\*\*). The sum of *labour force full-time workers 15-19 years—males*, and *labour force full-time workers 20 years and over—males*. (See above).

Married females (\*\*). The sum of *employed full-time married females*, (adjusted multiplicatively, using a 13-term trend moving average, a 3x5 term seasonal moving average, and standard limits for graduated treatment of extremes), and *total unemployed married females looking for full-time work* (see Table 1).

All females (\*\*). The sum of *labour force full-time workers 15-19 years—females*, and *labour force full-time workers 20 years and over—females*. (See above).

Persons (\*\*). The sum of *labour force total full-time workers—males* and *labour force total full-time workers—females*. (See above).

## Part-time workers—

Males (\*\*). The sum of *employed part-time workers—males*, (adjusted multiplicatively, using a 13-term trend moving average, a 3x5 term seasonal moving average, and standard limits for graduated treatment of extremes), and *unemployed males looking for part-time work* (see Table 1).

Married females (\*\*). The sum of *employed part-time workers—married females*, (adjusted multiplicatively, using a 13-term trend moving average, a 3x5 term seasonal moving average, and standard limits for graduated treatment of extremes), and *unemployed married females looking for part-time work* (see Table 1).

All females (\*\*). The sum of *employed part-time workers—females* (adjusted multiplicatively, using a 13-term trend moving average, a 3x5-term seasonal moving average, and standard limits for graduated treatment of extremes) and *unemployed females looking for part-time work* (see Table 1).

Persons (\*\*). The sum of the *labour force part-time workers—males* and *labour force part-time workers—females*. (See above).

## Total labour force—

Males (p39). The sum of the *labour force full-time workers—males*, and *labour force part-time workers—males*. (See above).

Married females (\*\*). The sum of the *labour force full time workers—married females*, and *labour force part-time workers—married females*. (See above).

All females (p40). The sum of the *labour force full-time workers—females*, and *labour force part-time workers—females*. (See above).

Persons (p41). The sum of the *total labour force—males*, and *total labour force—females*. (See above).

## Labour force participation rate—

Males (p42). The *total labour force—males* (see above) divided by the *civilian population—males 15 years and over* (not adjusted).

All females (p43). The *total labour force—females* (see above) divided by the *civilian population—females 15 years and over* (not adjusted).

Married females (\*\*). The *total labour force—married females* (see above) divided by the *civilian population—married females 15 years and over* (not adjusted).

Persons (\*\*). The *total labour force—persons* (see above) divided by the *civilian population—persons 15 years and over* (not adjusted).

## RETAIL TRADE—

## Quarterly retail sales at current prices—

Food and drink (p44). The sum of the directly adjusted series *groceries, fresh meat, other food and beer, wine and spirits*. (See Table 1).

Clothing, hardware, electrical, etc. (p46). The sum of the directly adjusted series *clothing and drapery, footwear, hardware, china and glassware, electrical goods and furniture and floor coverings*. (See Table 1).

All other goods (excluding motor vehicles, parts, petrol, etc.) (p48). The sum of the directly adjusted series *chemists' goods, newspapers, books and stationery and other goods (excluding motor vehicles, parts, petrol, etc.)*. (See Table 1).

All items (excluding motor vehicles, parts, petrol, etc.) (p50). The sum of *food and drink, clothing, hardware, electrical, etc.* and *all other goods (excluding motor vehicles, parts, petrol, etc.)*, all aggregatively adjusted (see above).

## Quarterly retail sales at average 1979-80 prices—

Most of these constant price series have been seasonally adjusted using the factors derived from the analysis of the corresponding current price series. However, the series, *fresh meat, other food*, and *clothing and drapery* have been adjusted directly by similar methods to their corresponding current price series. The aggregates listed below, are formed in the same manner as the current price series above.

Food and drink (p45).

Clothing, hardware, electrical, etc. (p47).

All other goods (excluding motor vehicles, parts, petrol, etc.) (p49).

All items (excluding motor vehicles, parts, petrol, etc.) (p51).



## APPENDIX B—continued

TABLE 2. AGGREGATIVELY ADJUSTED AUSTRALIAN SERIES—continued

**MOTOR VEHICLE REGISTRATIONS—****Registration of new motor vehicles—**

Total (p55). The sum of the directly adjusted series *registrations of new motor vehicles—cars and station wagons* and *registrations of new motor vehicles—other vehicles*. (See Table 1).

**MANUFACTURERS' SALES—****Actual Sales by Private Manufacturing Enterprises at current prices—**

Total (\*\*). The sum of *food, beverages and tobacco, textiles, clothing and footwear, paper, paper products, printing and publishing, chemicals, petroleum and coal products, basic metal products, transport equipment, fabricated metal products, other machinery and equipment and other manufacturing*, each seasonally adjusted by the factors derived from the analysis of the corresponding constant price series. (See Table 1).

**Actual Sales by Private Manufacturing Enterprises at average 1979-80 prices—**

Total (\*\*). This aggregate is formed in the same manner as the current price series above.

**STOCKS—****Stocks owned by private enterprises at current prices—**

Other (\*\*). The sum of *gas and electricity* (unadjusted), and *cafes and restaurants* (directly adjusted with prior correction for the effects of abrupt changes in level from June quarter 1976 and June quarter 1980 associated with sample revisions).

**Stocks owned by private enterprises at average 1974-75 prices—**

Total (\*\*). The sum of *other industries* (unadjusted), and *manufacturing*. (See Table 1).

**MONEY SUPPLY—****Volume of money—**

Definition M1(p77). The sum of *notes and coins in the hands of the public* (adjusted multiplicatively using a 9-term trend moving average, a 3x5-term seasonal moving average, standard limits for graduated treatment of extremes, with prior correction for the effects of Easter),

*current deposits with trading banks (excluding Commonwealth and State Government and inter-bank deposits)* (adjusted multiplicatively using a 9-term trend moving average, a 3x5-term seasonal moving average, standard limits for graduated treatment of extremes, with prior correction for the effects of

- (a) an abrupt change in the level of the series from July 1973 due to the exclusion of Papua New Guinea, and
- (b) variation due to the general business practice of monthly settlement of accounts at or near the end of the month, the perceptible effects of which vary with the number of weekly balancing days (Wednesdays) in each month from year to year), and

*current deposits of the public with the Reserve Bank of Australia* (not adjusted).

Definition M2(p78). The sum of *definition M1, fixed deposits of the public with the Reserve Bank of Australia* (not adjusted) and *fixed deposits with trading banks (excluding Commonwealth and State Government and inter-bank holdings of fixed deposits, and certificates of deposits from June 1974)* (adjusted multiplicatively using a 9-term trend moving average, a 3x5-term seasonal moving average, standard limits for graduated treatment of extremes, with prior correction for the effects of

- (a) an abrupt change in the level of the series from July 1973 due to the exclusion of Papua New Guinea data from the figures,
- (b) an abrupt change in seasonal pattern from March 1971 affecting most months, and
- (c) an abrupt change in the level of the series from June 1974 due to the exclusion of Commonwealth and State Government and inter-bank holdings of certificates of deposits).

Definition M3(p79). The sum of *definition M2 and savings banks deposits* (adjusted multiplicatively using a 9-term trend moving average, a 3x5-term seasonal moving average, standard limits for graduated treatment of extremes, with prior correction for the effects of

- (a) an abrupt change in the level of the series from July 1973 due to the exclusion of Papua New Guinea data from the figures,
- (b) twelve-weekly and four-weekly payments of child-endowment and twelve-weekly payments of war pension paid directly into savings banks accounts, and
- (c) an abrupt change in level from June 1975 due to a change in accounting procedures by one bank).

**BANKING—****Major Trading Banks—**

Total deposits(p81). The sum of *current deposits and fixed deposits* (both adjusted multiplicatively using a 9-term trend moving average, a 3x5-term seasonal moving average, standard limits for graduated treatment of extremes, with prior correction for the effects of

- (a) an abrupt change in the level of the series from July 1973 due to the exclusion of Papua New Guinea data from the figures, and for the former only,
- (b) variation due to the general business practice of monthly settlement of accounts at or near the end of the month, the perceptible effects of which vary with the number of weekly balancing days (Wednesdays) in each month from year to year, and for the latter only,
- (c) an abrupt change in seasonal pattern from March 1971).



## APPENDIX B—continued

TABLE 2. AGGREGATIVELY ADJUSTED AUSTRALIAN SERIES—continued

## BANKING—continued

## Major Trading Banks—continued

New and increased lending commitments (p84). The sum of *new and increased lending commitments less term loan* (adjusted multiplicatively using a 13-term trend moving average, a 3x5-term seasonal moving average, standard limits for graduated treatment of extremes with prior correction for the effects of an abrupt change in the level of the series from July 1973 due to the exclusion of Papua New Guinea data from the figures), and *term loans* (unadjusted).

## HOUSING FINANCE—

## Housing finance for owner occupation, loans approved to individuals for construction or purchase of dwellings—

Total number of dwelling units for which loans have been approved by—

Savings banks(p85).

Trading banks(p86).

Permanent building societies(p87).

The sum of *construction of dwellings, purchase of newly erected dwellings and purchase of established dwellings* from October 1975. (See Table 1). Prior to October 1975, the sum of *construction of dwellings and purchase of newly erected dwellings and purchase of established dwellings*.

Total value of loans approved by—

Savings banks (p88).

Trading banks(p89).

Permanent building societies(p90).

The sum of *construction of dwellings, purchase of newly erected dwellings and purchase of established dwellings* from October 1975. (See Table 1). Prior to October 1975, the sum of *construction of dwellings and purchase of newly erected dwellings and purchase of established dwellings*.

## NATIONAL ACCOUNTS—

## National accounts at current prices—

## Household income—

Income of farm unincorporated enterprises (\*\*). *Gross farm product at factor cost* (see below, *gross farm product*) less *farm wages, salaries and supplements* (directly adjusted), *farm rent and interest* (directly adjusted with a prior correction for the effects of an abrupt change in seasonal pattern from September quarter 1973, affecting the June, September and December quarters, due to a change in treatment of the third party insurance component), *farm depreciation* (not adjusted), plus *farm company income* (directly adjusted additively), plus subsidies not included in *gross value of production* (not adjusted).

Income of other unincorporated enterprises and from dwellings and interest and dividends(\*\*). The sum of *income of other unincorporated enterprises* (directly adjusted), *income from dwelling rent* (directly adjusted with a prior correction for the effects of an abrupt change in seasonal pattern from June quarter 1976, affecting the June and September quarters, due to the increasing pattern of payments of rates by instalments), *income from dividends* (directly adjusted), *imputed interest on life and superannuation funds* (directly adjusted with prior corrections for the effects of an abrupt change in seasonal pattern from June quarter 1971, affecting the June and September quarters and from June quarter 1980 affecting all quarters), *interest from savings banks received by persons* (directly adjusted with a prior correction for the effects of an abrupt change in seasonal pattern from December 1978, affecting the June and December quarters, due to a shift in half-yearly interest payments from June to December by one bank, and an abrupt change in seasonality from March quarter 1981, affecting all quarters, due to changes in interest rates and interest payments), *interest from building societies received by persons* (directly adjusted multiplicatively up to June quarter 1979, and directly adjusted additively from September quarter 1979 onwards), and *other interest and rent received by persons* (not adjusted).

Third party insurance transfers (\*\*). Not adjusted.

Transfers from overseas (\*\*). The sum of *immigrants' funds* and *other* (both adjusted as described for **Balance of Payments**) with modification for *extraordinary insurance claims less Darwin re-insurance items*.

Transfers from general government—

Cash benefits (\*\*). The sum of *hospital, medical and pharmaceutical benefits* (directly adjusted), *other benefits* (directly adjusted with a prior correction for the effects of an abrupt change in seasonal pattern from March quarter 1967, affecting all quarters), *old age and invalid pensions, family allowances and war pensions* (all three series specially adjusted for pay-day effects only) less *cash benefits to non-residents* (not adjusted).

Unfunded employee retirement benefits (\*\*). (See Table 1).

Total (\*\*). The sum of *cash benefits* and *unfunded employee retirement benefits*, described above.

Total (\*\*). The sum of the five preceding series and *wages, salaries and supplements*. (See Table 1).



## APPENDIX B—continued

TABLE 2. AGGREGATIVELY ADJUSTED AUSTRALIAN SERIES—continued

## NATIONAL ACCOUNTS—continued

## Household outlay—

## Private final consumption expenditure—

Clothing, footwear and drapery (\*\*). The sum of *clothing and drapery* (adjusted directly with allowance for trading-day variation and with prior correction for the effects of Easter and an abrupt change in seasonality from September 1973, affecting the September and December quarters), and *footwear* (adjusted directly with allowance for trading-day variation and prior correction for the effects of Easter and an abrupt change in seasonality from June 1973, affecting the June and September quarters).

Other household durables (\*\*). The sum of *domestic hardware* (adjusted directly with allowance for trading-day variation and prior correction for the effects of Easter, and an abrupt change in seasonality from March quarter 1973, affecting the March, September and December quarters), and *furniture, floor coverings, etc* (adjusted directly with allowance for trading-day variation and prior correction for the effects of Easter, and an abrupt change in seasonality from March 1973, affecting all quarters).

Gas, electricity and fuel (\*\*). The sum of *gas* (adjusted directly with prior correction for the effects of an abrupt change in seasonality from March 1977, affecting the March and September quarters), *electricity* (adjusted directly) and *fuel* (adjusted directly with prior correction for the effects of an abrupt change in seasonality from September quarter 1979, affecting March and September quarters).

Other goods and services (\*\*). The sum of *operation of motor vehicles* (adjusted directly with prior correction for the effects of an abrupt change in seasonality from June quarter 1974, affecting the June, September and December quarters), *other goods* (adjusted directly with an allowance for trading-day variation), and *other services* (adjusted directly).

Total (p99). The sum of *food* (see Table 1), *cigarettes and tobacco* (see Table 1), *alcoholic drinks* (see Table 1), *clothing, footwear and drapery* (see above), *household appliances* (see Table 1), *other household durables* (see above), *dwelling rent* (not adjusted), *gas, electricity and fuel* (see above), *fares* (see Table 1), *purchase of motor vehicles* (see Table 1), *postal and telephone services* (see Table 1), and *other goods and services* (see above).

Consumer debt interest (\*\*). Not adjusted.

Income tax paid (\*\*). *Gross pay as you earn (P.A.Y.E.) tax* (adjusted multiplicatively as a monthly series, using a 9-term trend moving average, a 3x5-term seasonal moving average, standard limits for graduated treatment of extremes, with adjustment for trading-day variation and with prior correction for the effects of

(a) Easter,

(b) abrupt changes in level from October 1970, October 1972, and January 1975, associated with decreases in the rate of personal tax, and

(c) an abrupt change in seasonal pattern from July 1969, affecting all months except January, February, March, June and December,

and converted to a quarterly series), less *P.A.Y.E. refunds* (adjusted multiplicatively as a monthly series, using 13-term trend moving average, a 3x5-term seasonal moving average for all months except July for which a 3-term seasonal moving average is applied, standard limits for graduated treatment of extremes with adjustment for trading-day variation and with prior correction for the effects of

(a) Easter,

(b) an abrupt change in seasonal pattern associated with the change in due date of tax returns from July 1971, affecting the months of July, August, October and February,

(c) abrupt changes in level from July 1975 and July 1977, and

(d) major fluctuations caused by industrial action from July 1982 to December 1982, which were distorting the estimates of the seasonal pattern, and converted to a quarterly series),

plus *other individual taxation* (adjusted using a pseudo-additive method with prior correction for the effects of abrupt changes in seasonality from March 1972, affecting the March, June and September quarters, and from September 1976, affecting the March and September quarters).

Other direct taxes, fees, fines, etc. (\*\*). The sum of *other direct taxes, fees, fines, etc. less unfunded employee retirement contributions* (adjusted directly with a prior correction for the effects of an abrupt change in seasonality from December 1963, affecting the March and December quarters), and *unfunded employee retirement contributions* (see Table 1).

Transfers overseas (\*\*). This item is identical to *invisible debits-private transfers*. See **Balance of Payments** for method of adjustment.

Household savings (p117). *Household income* (see above) less the sum of the preceding five series.

Total (\*\*). The sum of the preceding six series.

Household disposable income (\*\*). The sum of *private final consumption expenditure—total* (see above) and *household savings* (see above).

Household savings ratio (p118). The ratio of *household savings* (see above) to *household disposable income* (see above), expressed as a percentage.



## APPENDIX B—continued

TABLE 2. AGGREGATIVELY ADJUSTED AUSTRALIAN SERIES—continued

## NATIONAL ACCOUNTS—continued

## Gross operating surplus—

## Trading enterprises—

Companies (p111). The difference between *gross operating surplus of companies, including stock valuation adjustment* (adjusted directly) and *stock valuation adjustment* (not adjusted).

Other (p112). The sum of *farm unincorporated enterprises* and *non-farm unincorporated enterprises*. *Farm: gross farm product at factor cost* (see below, *gross farm product*), less three farm cost series (two directly adjusted and one not adjusted) and *company income* (adjusted directly additively). *Non-farm*: the sum of *income* (adjusted directly), *interest* (adjusted directly), *depreciation* (not adjusted) and *third party insurance claims* (not adjusted).

Financial enterprises less imputed bank service charge (\*\*). From September quarter 1971 the difference of *financial enterprises-output* (adjusted directly) and *financial enterprises-expenses* (adjusted directly). Prior to September quarter 1971 the series was directly adjusted additively.

Indirect taxes less subsidies (p115). *Indirect taxes* (adjusted directly with a prior correction for the effects of major fluctuations in March and June 1979 due to the back payment of stamp duty by Victorian insurance companies as a result of changes from annual to monthly payments—these fluctuations do not appear in the seasonally adjusted series, and an abrupt change in seasonality from September 1979, affecting all quarters, due to the above mentioned change in the timing of stamp duty payments by Victorian insurance companies), less *wheat subsidy* (specially adjusted), less *wool subsidy* (not adjusted), less *all other subsidies* (adjusted directly with prior correction for the effects of an abrupt change in seasonality from September 1968, affecting the March and September quarters).

## Gross domestic product—

Total (p91). The sum of *gross operating surplus-companies* (see above), *gross operating surplus—other* (see above), *gross operating surplus—dwellings owned by persons* (see Table 1), *gross operating surplus-public enterprises* (see Table 1), *gross operating surplus—financial enterprises less imputed bank service charge* (see Table 1), *indirect taxes less subsidies* (see above), and *wages, salaries and supplements* (see Table 1).

Gross farm product (p93). *Gross farm product at factor cost* (see below) plus *farm indirect taxes* (directly adjusted with prior corrections for the effects of an abrupt change in the level of the series from December quarter 1974, due to the introduction of an eight per cent wool tax and the effects of an abrupt change in seasonal pattern from December quarter 1978, affecting the June and December quarters) less *wheat subsidy* (specially adjusted), *wool subsidy* (not adjusted), and *all other farm subsidies* (directly adjusted from March quarter 1970 to September quarter 1974, and not adjusted elsewhere). *Gross farm product at factor cost* is the sum of three components of *gross value of production—wheat, other grain and sugar cane* (all specially adjusted) plus four directly adjusted series *wool, other crops, livestock slaughtering*s (the latter prior corrected for the effects of an abrupt change in trend from September quarter 1963 due to a change in composition of the series to include pigs and poultry, and an abrupt change in the seasonality in December quarter 1973 affecting the June, September and December quarters), and *other livestock products* (prior corrected for the effects of an abrupt change in trend from September quarter 1963 due to a change in composition of the series to exclude pigs and poultry), less *wool and wheat stock valuation adjustments* (both specially adjusted), *wheat marketing costs* (specially adjusted), and three other farm cost series (all directly adjusted): *other marketing* (prior corrected for the effects of an abrupt change in seasonality from December quarter 1973 affecting the March, June and December quarters), *seed and fodder* (prior corrected for the effects of an abrupt change in the level of the series from September quarter 1972 due to a sharp increase in the price of hay), and *other costs* (prior corrected for the effects of an abrupt change in the level of the series from March quarter 1979 due to a rapid rise in petrol price, and an abrupt change in seasonality from December quarter 1972, affecting the March and December quarters). The three specially adjusted components of *gross value of production—wheat, other grain and sugar cane* are adjusted by the equal distribution of the production for any financial year over the four quarters of the year ended June. One effect of these methods is that changes in the annual production of these commodities first enter the seasonally adjusted figures in the September quarter.

Gross non-farm product (p95). The difference between *gross domestic product* (see above) and *gross farm product* (see above). The adjustment of *gross non-farm product* is independent of the special adjustments used in *gross farm product*, since *gross domestic product* also contains the influences of these special adjustments as a result of incorporating *gross operating surplus—other*. (See above).

Gross domestic product at factor cost (p114). The difference between *gross domestic product* (see above) and *indirect taxes less subsidies* (see above).

Exports of goods and services (\*\*). The sum of *exports f.o.b., gold production, transportation credits, travel credits, government credits* and *miscellaneous credits* (all adjusted as described for **Balance of Payments**).

Imports of goods and services (\*\*). The sum of *imports f.o.b., freight on imports, other transportation debits, travel debits, government debits* and *miscellaneous debits* (all adjusted as described for **Balance of Payments**).

Gross national expenditure (p97). The sum of *gross domestic product* (see above) and *imports of goods and services* (see above) less *exports of goods and services* (see above).

Government final consumption expenditure (p101). The sum of *State and Local Government* (directly adjusted), *Commonwealth Government excluding defence adjustment* (directly adjusted), and *defence adjustment* (directly adjusted additively with prior corrections for the effects of major irregular fluctuations, due to the delivery of a frigate in each of the December 1980 and March 1981 quarters and the payment for F111's and an F111 tracking system in June quarter 1981).



## APPENDIX B—continued

TABLE 2. AGGREGATIVELY ADJUSTED AUSTRALIAN SERIES—continued

## NATIONAL ACCOUNTS—continued

## Gross fixed capital expenditure—

Private (p105). The sum of *dwelling*s (see Table 1), *non-dwelling construction* (see Table 1), and *all other* (see Table 1).

## Public—

Public enterprises (\*\*). The sum of *State and Local Government public enterprises* (directly adjusted with prior correction for the effects of major fluctuations in December quarter 1981 and June quarter 1982 which were distorting the estimates of the seasonal pattern. These fluctuations remain in the seasonally adjusted series), *Commonwealth Government public enterprises less transport equipment* (adjusted directly with prior correction for the effects of abrupt changes in seasonality from September 1970, affecting all quarters, and from September 1975, affecting all quarters, due to different accounting methods adopted by Telecom and Australia Post from 1976), and *transport equipment* (not adjusted).

General government (\*\*). The sum of *State and Local general government* (directly adjusted), and *Commonwealth general government* (directly adjusted).

Total (P107). The sum of *public enterprises* (see above) and *general government* (see above).

Total (p103). The sum of *private* (see above) and *public* (see above).

## Increase in stocks—

Farm and miscellaneous (\*\*). The sum of six book value series (see below) less *farm stock valuation adjustment* (the sum of *wheat* (specially adjusted), *wool* (specially adjusted) and *Wool Corporation* (directly adjusted additively)). The six book value series summed are *wool* (the difference between *gross value of production of wool* (directly adjusted) and *withdrawals from stocks of wool* (directly adjusted)), *wheat* (directly adjusted additively with a prior correction equivalent to the seasonality of *gross value of production-wheat* less *wheat subsidy*), *other grain* (directly adjusted additively with a prior correction equivalent to the seasonality of *gross value of production other grain*), *other farm* (directly adjusted additively), *Wool Corporation* (directly adjusted additively), and *miscellaneous: public authorities* (not adjusted).

Private non-farm (p109). The sum of four non-farm book value series (see below) less *non-farm stock valuation adjustment* (not adjusted). The four book value series summed are *manufacturing* (directly adjusted additively with a prior correction for a large irregular event in December 1979 due to exceptional increases in the sectors of chemicals, textile clothing and motor vehicles, and prior correction for the effects of an abrupt change in seasonal pattern from March quarter 1976, affecting the March, June and December quarters), *bulk sugar* (directly adjusted additively with a prior correction equivalent to the seasonality of *gross value of production of sugar cane*), *other commerce* (directly adjusted with a prior correction for the effects of an abrupt change in seasonal pattern from June quarter 1979, affecting the March, June and September quarters), and *other private non-farm* (directly adjusted from June quarter 1973, not adjusted prior to this).

Total (\*\*). The sum of *farm and miscellaneous* (see above) and *private non-farm* (see above).

Statistical discrepancy (\*\*). Balancing item in the seasonally adjusted account, obtained as the difference between *gross national expenditure* and the sum of *final consumption expenditure*, *gross fixed capital expenditure* and *increase in stocks* (adjusted as indicated above).

## National accounts at average 1979-80 prices

The constant price series have been adjusted by methods similar to those used for the corresponding current price series, the only exceptions are listed below.

Gross domestic product (p92). The sum of *farm* (similar method of adjustment to that for the current price series) and *non-farm* (see Table 1).

Exports of goods and services (\*\*). The method of adjustment is the same as that for the current price series with the following exceptions. *Transportation credits* is directly adjusted, and *Government credits* is directly adjusted. Imports of goods and services (\*\*). The method of adjustment is the same as that for the current price series with the following exception. *Other transportation—other* is directly adjusted from September 1966.



## APPENDIX B—continued

TABLE 3. STATE SERIES

Series description	Moving averages used for		Adjustment made for			Other influences
	Trend	Seasonal factors	Trading — day variation	Easter	Australia Day	
<b>RETAIL TRADE—</b>						
<b>Quarterly Retail Sales at Current Prices—</b>						
Food and drink—						
New South Wales	5	3x5	yes	yes	no	yes(a1)(a2)
Victoria	5	3x5	yes	yes	no	yes(a1)(a2)
Queensland	5	3x5	yes	yes	no	yes(a1)(a2)
South Australia	5	3x5	yes	yes	no	yes(a1)(a2)
Western Australia	5	3x5	yes	yes	no	yes(a1)(a2)
Tasmania	5	3x5	yes	yes	no	yes(a1)(a2)
Clothing, hardware, electrical, etc—						
New South Wales	5	3x5	yes	yes	no	yes(a1)(a2)
Victoria	5	3x5	yes	yes	no	yes(a1)(a2)
Queensland	5	3x5	yes	yes	no	yes(a1)(a2)
South Australia	5	3x5	yes	yes	no	yes(a1)(a2)
Western Australia	5	3x5	yes	yes	no	yes(a1)(a2)
Tasmania	5	3x5	yes	yes	no	yes(a1)(a2)
All other goods (excl. motor vehicles, parts, petrol, etc.)—						
New South Wales	5	3x5	yes	no	no	yes(a1)(a2)
Victoria	5	3x5	yes	yes	no	yes(a1)(a2)
Queensland	5	3x5	yes	no	no	yes(a1)(a2)
South Australia	5	3x5	yes	no	no	yes(a1)(a2)
Western Australia	5	3x5	yes	no	no	yes(a1)(a2)
Tasmania	5	3x5	yes	yes	no	yes(a1)(a2)
All items (excl. motor vehicles, parts, petrol, etc.)(a3)—						
New South Wales+	..	..	..	..	..	..
Victoria+	..	..	..	..	..	..
Queensland+	..	..	..	..	..	..
South Australia+	..	..	..	..	..	..
Western Australia+	..	..	..	..	..	..
Tasmania+	..	..	..	..	..	..
<b>Quarterly Retail Sales at Constant Prices—</b>						
All items (excl. motor vehicles, parts, petrol, etc.)—						
New South Wales	5	3x5	yes	no	no	no
Victoria	5	3x5	yes	no	no	no
Queensland	5	3x5	yes	no	no	no
South Australia	5	3x5	yes	no	no	no
Western Australia	5	3x5	yes	no	no	no
Tasmania	5	3x5	yes	no	no	no
<b>MOTOR VEHICLE REGISTRATIONS—</b>						
<b>Registrations of New Motor Vehicles—</b>						
Cars and station wagons—						
New South Wales	13	3x9	yes	yes	no	no
Victoria	13	3x9	yes	yes	no	no
Queensland	23	3x9	yes	yes	no	no
South Australia	13	3x9	yes	yes	no	no
Western Australia	13	3x9	yes	yes	no	no
Tasmania	23	3x9	yes	yes	no	yes(b1)
Other vehicles—						
New South Wales	13	3x9	yes	yes	no	no
Victoria	13	3x9	yes	yes	no	no
Queensland	13	3x9	yes	yes	no	no
South Australia	13	3x9	yes	yes	no	no
Western Australia	13	3x9	yes	yes	no	no
Tasmania	23	3x9	yes	yes	no	no

For footnotes see end of table.



## APPENDIX B—continued

TABLE 3. STATE SERIES—continued

Series description	Moving averages used for		Adjustment made for			Other influences
	Trend	Seasonal factors	Trading — day variation	Easter	Australia Day	
<b>MOTOR VEHICLE REGISTRATIONS—continued</b>						
<b>Registrations of New Motor Vehicles—continued</b>						
Total(b2)—						
New South Wales	..	..	..	..	..	..
Victoria	..	..	..	..	..	..
Queensland	..	..	..	..	..	..
South Australia	..	..	..	..	..	..
Western Australia	..	..	..	..	..	..
Tasmania	..	..	..	..	..	..
<b>BUILDING—</b>						
<b>Building Approvals—</b>						
Number of new dwellings approved—						
New South Wales	13	3x9	yes	yes	no	yes(c1)(c2)
Victoria	13	3x9	yes	yes	no	yes(c1)(c2)
Queensland	13	3x9	yes	yes	no	yes(c1)(c2)
<b>Building Commenced—</b>						
Number of new dwellings commenced—						
New South Wales	5	3x5	no	no	no	yes(c3)(c4)
Victoria	5	3x5	no	no	no	yes(c3)(c4)
Queensland	5	3x5	no	no	no	yes(c3)(c4)
South Australia	5	3x5	no	no	no	yes(c3)(c4)
Western Australia	5	3x5	no	no	no	yes(c3)(c4)
Tasmania	5	3x5	no	no	no	yes(c3)(c4)
<b>Building Under Construction—</b>						
Number of new dwellings under construction—						
New South Wales	5	3x5	no	no	no	yes(c3)(c4)
Victoria	5	3x5	no	no	no	yes(c3)(c4)
Queensland	5	3x5	no	no	no	yes(c3)(c4)
South Australia	5	3x5	no	no	no	yes(c3)(c4)
Western Australia	5	3x5	no	no	no	yes(c3)(c4)
Tasmania	5	3x5	no	no	no	yes(c3)(c4)
<b>Building Completed—</b>						
Number of new dwellings completed—						
New South Wales	5	3x5	no	no	no	yes(c3)(c4)
Victoria	5	3x5	no	no	no	yes(c3)(c4)
Queensland	5	3x5	no	no	no	yes(c3)(c4)
South Australia	5	3x5	no	no	no	yes(c3)(c4)
Western Australia	5	3x5	no	no	no	yes(c3)(c4)
Tasmania	5	3x5	no	no	no	yes(c3)(c4)

+ Denotes change in option or method previously selected for the adjustment of a series.

- (a1) An abrupt change in level from December quarter 1972 due to the introduction of a series based on the 1968-69 Census of Retail Establishments.
- (a2) An abrupt change in level from September quarter 1975 due to the introduction of a series based on the 1973-74 Census of Retail Establishments.
- (a3) Series aggregatively adjusted as the sum of *Food and drink, Clothing, hardware, electrical, etc.* and *All other goods (excluding motor vehicles, parts, petrol, etc.)*.
- (b1) An abrupt change in seasonality affecting all months from December 1976.
- (b2) Series aggregatively adjusted as the sum of *Cars and station wagons* and *Other vehicles*.
- (c1) An abrupt change in level from July 1973 due to a change in definition.
- (c2) An abrupt change in level from July 1975 due to a change in definition.
- (c3) An abrupt change in level from September quarter 1980 due to a change in collection methodology.
- (c4) An abrupt change in level from September quarter 1981 due to a change in definition.







## APPENDIX C

## MEASURES OF VARIABILITY

1. Tables 4 and 5 show selected measures of variability for all series that have been seasonally adjusted directly and published in seasonally adjusted form by the ABS (and certain other organisations). Measures of Variability have not been estimated for series aggregatively or otherwise seasonally adjusted. Details are given of the original and seasonally adjusted series, and of component series as computed in the course of seasonal adjustment, i.e. the trend, seasonal and irregular components. A corresponding measure of the variability of trading-day adjustment factors, where applicable, is also shown as well as a measure of the months for cyclical dominance (M.C.D.). For further details concerning these measures of variability refer to 'Seasonal Adjustment Methods' (paragraphs 25-30).

2. The measures of variability relating to the original, seasonally adjusted and trend series exclude the effects of abrupt changes in level for which adjustments have been made, and similarly those for the seasonal factors do not include the effects of abrupt changes in the seasonal pattern. This exclusion means the measure (estimated over the whole series) for the seasonal factors reflects only the seasonal behaviour identified after the last abrupt change in seasonal pattern.

TABLE 4. AUSTRALIAN SERIES

Series description	Page no.	Average percentage change without regard to sign +:							M. C. D. †
		From month to month * in the						From year to year in the seasonal factors	
		Original series	Seasonally adjusted series	Trend series	Irregular series	Seasonal factors	Trading-day adjustment		
<b>AGRICULTURAL PRODUCTION—</b>									
Beef(a)	**	9.24	4.79	1.96	4.01	6.19	6.02	0.39	3
Veal(a)	**	16.07	5.85	2.41	5.07	12.90	6.94	0.72	3
Mutton(a)	**	12.02	6.42	2.92	5.42	9.78	5.65	1.50	3
Lamb(a)	**	9.85	4.50	1.82	3.75	6.75	5.94	0.66	3
Pigmeat(a)	**	7.88	3.01	0.77	2.87	4.44	6.15	0.28	4
Whole milk intake by factories	3	18.58	2.50	0.98	2.18	18.24	4.54	0.55	4
<b>MANUFACTURING PRODUCTION—</b>									
Electricity(a)	5	5.25	1.34	0.56	1.18	4.59	3.97	0.10	3
Gas(d)	6	8.72	3.04	1.29	2.61	7.00	3.93	0.37	3
Raw steel(a)(d)	7	7.68	5.21	1.24	5.00	4.01	3.90	0.29	5
Pig iron	**	7.00	4.86	1.42	4.43	1.92	3.85	0.34	5
Portland cement(a)(d)	8	10.74	4.43	0.47	4.36	9.86	3.94	0.26	6
Clay bricks(a)(d)	9	10.87	2.55	0.90	2.35	9.78	5.50	0.14	3
Sulphuric acid(a)(d)	**	10.78	7.94	2.02	7.54	9.31	3.99	0.49	5
Motor vehicles(a)(d)	10	26.53	7.04	1.50	6.57	29.57	6.35	0.40	6
Cars and station wagons(a)(d)	**	27.51	7.76	1.64	7.27	30.70	6.53	0.45	6
Utilities and panel vans(a)(d)	**	29.33	14.95	3.04	14.35	28.93	..	0.77	6
Trucks and truck type vehicles(a)(d)	**	22.92	8.82	2.19	8.34	26.79	5.41	0.42	4
Electric motors under 720W(a)(d)	11	20.28	5.41	1.45	5.10	23.87	6.85	0.35	4
Electric motors 720W and over(a)(d)	**	24.42	10.57	1.38	10.25	31.21	5.77	0.68	6
Domestic refrigerators(a)(d)	12	18.36	7.64	1.90	7.24	16.95	7.39	0.56	4
Clothes washing machines(a)(d)	**	20.96	7.50	2.14	6.89	19.92	6.22	0.46	5
Television sets(a)(d)	13	26.10	6.62	1.99	6.20	24.01	7.77	0.79	4
Textile floor coverings(a)(d)	14	22.56	6.10	1.68	5.64	23.85	5.13	0.33	4
Particle board(d)	15	23.12	6.34	1.94	5.93	25.64	8.46	0.39	4
Cotton woven cloth(a)(d)	16	24.51	7.73	1.31	7.52	22.93	7.09	0.41	6
Woollen woven cloth(a)(c)(d)	**	20.83	6.23	1.72	5.82	22.07	8.90	0.39	4
Man-made fibre woven cloth	17	20.29	5.61	1.62	5.07	26.33	4.59	0.28	4
Cotton yarn(a)(d)	**	24.80	7.70	1.31	7.40	26.21	6.14	0.36	6
Woollen yarn(a)(d)	18	20.61	4.73	1.05	4.45	22.53	8.07	0.26	5
Beer(a)	19	10.76	5.28	0.32	5.25	7.28	6.62	0.28	6
Tobacco and cigarettes(a)(d)	20	20.10	7.63	0.51	7.56	29.97	6.38	0.45	6
Chocolate-based confectionery(a)	**	22.99	6.45	1.26	6.06	21.65	7.16	0.46	6
Other confectionery(a)	**	16.62	4.37	0.84	4.17	16.42	4.88	0.33	6

For footnotes see end of table .



## APPENDIX C—continued

TABLE 4. AUSTRALIAN SERIES—continued

Series description	Page no.	Average percentage change without regard to sign +:							M. C. D. †
		From month to month * in the						From year to year in the seasonal factors	
		Original series	Seasonally adjusted series	Trend series	Irregular series	Seasonal factors	Trading-day adjustment		
<b>BALANCE OF PAYMENTS—</b>									
<b>Balance of Payments, Current Account—</b>									
Visible trade—									
Exports f.o.b. (monthly)	**	7.74	5.81	1.44	5.44	4.54	5.44	0.24	4
Imports f.o.b. (monthly)(d)	**	9.84	5.48	1.87	4.93	5.24	5.50	0.20	3
Exports f.o.b.—									
Meat and preparations (d)	**	17.20	12.99	9.01	7.05	4.72	..	0.75	1
Cereals and preparations	**	23.93	18.33	13.10	9.55	13.48	..	1.16	1
Sugar, preparations and honey (c)(d)	**	67.48	25.10	11.96	17.75	49.60	..	1.41	2
Wool and sheepskins(d)	**	21.84	10.88	8.06	5.27	19.99	..	0.45	1
Other rural(d)	**	11.21	6.81	4.36	3.98	6.93	..	0.38	1
Metals, ores and minerals	**	7.84	7.02	5.20	4.38	3.02	..	0.35	1
Coke, coal and briquettes	**	13.44	9.90	6.51	6.14	8.45	..	0.83	1
Other mineral fuels(c)(d)	**	24.44	17.23	11.58	10.13	14.81	..	0.55	1
Metals and metal manufactures	**	11.07	9.25	6.20	6.13	4.17	..	0.61	1
Machinery and transport(d)	**	12.67	8.19	5.04	5.57	7.63	..	0.53	2
Other non-rural(c)(d)	**	9.17	6.88	5.03	3.98	5.44	..	0.27	1
Imports f.o.b.—									
Food, beverages and tobacco(c)	**	9.90	7.98	5.54	4.13	4.20	..	0.34	1
Fuels(c)	**	16.42	13.97	8.80	8.65	5.44	..	0.77	1
Basic materials(c)	**	9.33	7.07	4.64	4.21	4.28	..	0.53	1
Chemicals (incl. plastics)(d)	**	8.36	8.06	6.08	3.53	2.35	..	0.28	1
Textiles, fabrics, etc.(e)	**	7.30	7.00	5.64	3.06	2.88	..	0.19	1
Metals and metal manufactures(e)	**	16.55	9.84	7.45	4.35	3.80	..	0.52	1
Other imports(c)	**	9.01	6.16	4.78	2.89	5.55	..	0.27	1
Invisible credits—									
Travel(d)	**	14.30	6.31	4.99	2.93	8.50	..	0.43	1
Invisible debits—									
Freight on imports	**	6.55	5.99	4.47	3.90	2.50	..	0.41	1
Travel(d)	**	18.38	5.05	3.91	2.39	5.03	..	0.59	1
<b>MIGRATION—</b>									
Short-term Australian residents departing(a)(d)	**	27.89	5.54	1.28	5.21	20.90	4.52	0.96	4
<b>THE LABOUR FORCE(j)—</b>									
<b>Unemployed persons—</b>									
Looking for full-time work									
15-19 years looking for first job									
Males	**	22.17	7.74	2.53	7.11	18.49	..	0.69	3
Females	**	18.81	7.23	2.14	6.71	14.54	..	0.32	4
Total 15-19 years									
Males	**	11.16	4.11	1.70	3.55	9.61	..	0.19	3
Females	**	9.73	4.12	1.35	3.72	8.14	..	0.15	4
20 years and over									
Males	**	4.60	3.21	1.97	2.23	3.05	..	0.20	2
Married females	**	8.55	5.65	1.59	5.14	5.68	..	0.47	5
All females	**	5.74	4.61	1.39	4.19	3.87	..	0.25	4
Looking for part-time work									
Males	**	20.48	12.16	2.66	11.50	15.08	..	0.64	6
Married females	**	13.33	7.85	1.46	7.51	10.45	..	0.51	6
All females	**	11.77	6.05	1.21	5.79	10.58	..	0.39	6

For footnotes see end of table.



## APPENDIX C—continued

TABLE 4. AUSTRALIAN SERIES—continued

Series description	Page no.	Average percentage change without regard to sign +:							M. C. D. †
		From month to month * in the						From year to year in the seasonal factors	
		Original series	Seasonally adjusted series	Trend series	Irregular series	Seasonal factors	Trading-day adjustment		
<b>RETAIL TRADE—</b>									
<b>Quarterly Retail Sales at Current Prices—</b>									
Groceries(a)(c)	**	6.65	2.59	2.51	0.56	4.51	1.06	0.10	1
Fresh meat(a)(c)	**	3.92	2.31	2.20	0.75	2.20	1.08	0.09	1
Other food (a)(c)	**	4.63	2.29	2.18	0.68	3.96	1.03	0.09	1
Beer, wine and spirits(a)(c)	**	9.47	2.46	2.30	0.70	9.00	1.03	0.13	1
Clothing and drapery(a)(c)(d)	**	22.12	2.21	2.12	0.79	20.06	1.04	0.08	1
Footwear(a)(c)(d)	**	19.40	2.50	2.13	0.99	15.63	1.14	0.26	1
Hardware, china and glassware (a)(c)(d)	**	19.88	2.97	2.62	1.03	19.17	1.04	0.20	1
Electrical goods(a)(c)(d)	**	13.82	3.32	2.89	1.11	12.89	1.07	0.26	1
Furniture and floor coverings (a)(c)(d)	**	14.52	2.89	2.64	0.89	10.44	1.09	0.12	1
Chemists' goods(c)	**	10.69	2.53	2.46	0.70	8.30	1.03	0.11	1
Newspapers, books and stationery(c)(d)	**	11.44	2.57	2.47	0.91	12.50	1.11	0.22	1
Other goods (excl. motor vehicles, parts, petrol, etc.)(c)	**	16.41	2.53	2.45	0.69	14.18	1.05	0.09	1
<b>Monthly Retail Sales—</b>									
All items (excl. motor vehicles, parts, petrol, etc.)(a)(c)(d)(f)	52	8.74	1.02	0.84	0.61	6.87	4.38	0.10	1
<b>MOTOR VEHICLE REGISTRATIONS—</b>									
<b>Registrations of New Motor Vehicles—</b>									
Cars and station wagons(a)	53	10.49	5.27	1.41	4.96	6.12	6.42	0.37	5
Other vehicles(a)	54	11.38	5.32	1.41	4.93	7.91	6.57	0.35	5
<b>WINE—</b>									
<b>Sales of Australian Wine by Winemakers—</b>									
Dry white	**	14.92	5.38	1.75	5.02	12.80	..	0.64	4
Dry red	**	14.55	5.81	1.10	5.67	13.44	..	0.63	6
Table wine	56	13.39	4.97	1.13	4.82	11.33	..	0.49	5
Sparkling	**	25.45	8.58	0.78	8.41	21.44	..	0.89	6
Total wine	57	12.89	4.71	0.67	4.62	10.83	3.96	0.48	6
<b>TRACTORS—</b>									
New Wheeled Tractors Sold for Agricultural Purposes(a)(d)	**	18.22	8.37	5.27	5.12	16.55	..	0.90	1
<b>BUILDING—</b>									
<b>Building Approved—</b>									
<b>Number of—</b>									
Total new dwellings approved (a)(d)	**	10.88	5.17	1.52	4.81	9.10	6.32	0.31	4
New private dwellings approved(a)	58	9.84	4.26	1.63	3.80	8.42	6.35	0.24	3
Total new houses approved(a)	**	10.90	5.16	1.35	4.87	8.57	6.33	0.27	4
New private houses approved(a)	**	9.86	4.12	1.46	3.68	7.61	6.26	0.24	3
<b>Value of—</b>									
Total new dwellings approved (a)(d)	**	10.84	5.33	1.78	4.92	8.60	6.51	0.30	3
Alterations and additions to dwellings	**	10.06	6.11	2.36	5.54	6.58	5.45	0.35	3
Total building approved(a)(e)	59	12.02	7.90	1.66	7.58	8.81	6.40	0.43	5

For footnotes see end of table.



## APPENDIX C—continued

TABLE 4. AUSTRALIAN SERIES—continued

Series description	Page no.	Average percentage change without regard to sign +:							M. C. D. †
		From month to month * in the						From year to year in the seasonal factors	
		Original series	Seasonally adjusted series	Trend series	Irregular series	Seasonal factors	Trading-day adjustment		
<b>BUILDING—continued</b>									
<b>Building Commenced—</b>									
Number of—									
Total new dwellings commenced(c)	**	6.24	4.52	3.46	2.63	3.93	..	0.33	1
New private dwellings commenced(c)	60	6.63	4.57	3.82	2.46	3.85	..	0.27	1
Total new houses commenced(c)	**	6.12	4.13	2.91	2.53	4.05	..	0.27	1
New private houses commenced(c)	**	6.35	4.08	3.27	2.07	4.07	..	0.27	1
Value of—									
Total new dwellings commenced(c)	61	7.35	5.33	4.19	2.72	4.91	..	0.34	1
Other building commenced(c)	62	12.98	9.75	4.64	7.26	7.67	..	1.04	2
Total building commenced(c)	63	8.15	5.71	3.63	3.82	4.84	..	0.48	2
<b>Building Under Construction—</b>									
Number of—									
Total new dwellings under construction(d)	**	4.43	3.08	2.78	0.81	3.11	..	0.14	1
<b>Building Completed—</b>									
Number of—									
Total new dwellings completed	**	10.22	2.85	2.14	1.53	9.20	..	0.21	1
New houses completed	**	9.71	2.43	1.92	1.39	8.99	..	0.17	1
Other new dwellings completed	**	16.07	8.83	5.98	5.12	12.64	..	0.72	1
Value of—									
Total new dwellings completed	64	11.36	3.42	2.99	1.58	9.72	..	0.23	1
Alterations and additions to dwellings	**	13.85	9.75	8.01	3.92	8.09	..	0.48	1
Other building completed	**	11.52	8.26	4.04	5.75	6.79	..	0.61	2
Total building completed	65	10.38	4.60	3.10	2.85	8.04	..	0.32	1
<b>Value of Work Done on—</b>									
New houses(c)	66	6.08	3.33	2.98	1.20	5.14	..	0.16	1
Other new dwellings(c)	**	8.40	6.57	5.67	2.68	4.00	..	0.29	1
Total new dwellings(c)	67	5.98	3.59	3.31	1.06	4.79	..	0.15	1
Alterations and additions to dwellings(c)	**	11.48	8.31	7.16	2.67	5.65	..	0.21	1
Other building(c)	68	7.12	3.59	2.87	2.04	5.84	..	0.22	1
Private other building(c)	**	8.15	4.37	3.43	2.27	6.64	..	0.27	1
Total building(c)	69	6.09	3.07	2.79	1.13	5.13	..	0.15	1
<b>CAPITAL EXPENDITURE—</b>									
<b>Actual New Fixed Capital Expenditure by Private Enterprises—</b>									
New buildings and structures—									
Mining(c)	**	26.35	18.89	11.99	12.31	19.17	..	0.90	2
Manufacturing(c)	**	21.68	8.21	5.91	4.90	19.74	..	0.49	1
Finance, property and business services(c)	**	18.37	10.30	5.56	7.34	14.16	..	0.47	2
Other selected industries(d)	**	21.77	7.96	4.93	5.27	18.83	..	0.69	2
All industries(c)	70	17.59	5.89	4.37	3.55	15.92	..	0.43	1

For footnotes see end of table.



## APPENDIX C—continued

TABLE 4. AUSTRALIAN SERIES—continued

Series description	Page no.	Average percentage change without regard to sign +:							M. C. D. †
		From month to month * in the						From year to year in the seasonal factors	
		Original series	Seasonally adjusted series	Trend series	Irregular series	Seasonal factors	Trading-day adjustment		
<b>CAPITAL EXPENDITURE—continued</b>									
<b>Actual New Fixed Capital Expenditure by Private Enterprises—continued</b>									
Other new capital equipment—									
Mining(c)	**	25.14	17.32	10.66	11.01	18.70	..	1.12	2
Manufacturing(c)	**	16.45	5.43	4.26	2.71	15.68	..	0.36	1
Finance, property and business services(c)	**	23.95	12.71	8.63	7.16	14.34	..	0.62	1
Other selected industries(c)(d)(e)	**	18.18	8.89	5.53	6.36	25.27	..	0.69	2
All industries(c)(e)	71	15.24	5.72	4.49	3.28	14.30	..	0.26	1
Total new capital expenditure—									
Mining(c)	72	22.11	12.62	9.88	6.95	18.80	..	0.80	1
Manufacturing(c)	73	17.31	5.20	4.16	2.52	17.07	..	0.29	1
Food, beverages and tobacco(c)	**	16.45	7.28	4.38	4.93	16.09	..	0.68	2
Paper and printing(c)(e)	**	20.95	13.40	6.28	10.38	16.98	..	0.96	2
Chemicals, petroleum and coal products(a)(c)	**	20.61	10.63	6.69	6.87	17.69	..	0.60	2
Basic metal products(c)(e)	**	21.55	11.19	8.99	5.38	19.65	..	0.64	1
Fabricated metal products	**	23.02	9.66	5.12	6.73	22.92	..	0.86	2
Other manufacturing(c)	**	14.80	9.17	4.06	7.03	11.51	..	0.56	2
Finance, property and business services(c)	74	16.10	8.18	6.04	4.57	11.62	..	0.39	1
Other selected industries(c)(d)(e)	75	22.80	7.08	4.34	4.66	21.57	..	0.44	2
Wholesale	**	20.16	9.45	4.44	7.46	17.55	..	0.91	2
Retail(c)	**	21.05	12.00	6.54	8.35	16.59	..	0.94	2
Other non-manufacturing(c)	**	22.99	10.78	6.67	6.93	19.70	..	1.06	2
All industries(c)(e)	76	15.51	4.70	4.07	2.26	14.95	..	0.25	1
<b>MANUFACTURERS' SALES—</b>									
<b>Actual Sales by Private Manufacturing Enterprises at Average 1979-80 Prices—</b>									
Food, beverages and tobacco(c)	**	8.32	1.62	1.04	0.98	8.36	..	0.03	1
Textiles, clothing and footwear(d)	**	8.91	2.88	1.57	1.71	8.01	..	0.21	2
Paper, paper products, printing and publishing	**	5.82	2.18	1.73	1.04	5.24	..	0.09	1
Chemical, petroleum and coal products	**	5.19	2.25	1.29	1.60	5.53	..	0.19	2
Basic metal products	**	5.11	3.32	2.32	1.84	3.27	..	0.10	1
Transport equipment(d)	**	12.09	3.50	2.46	2.31	10.40	..	0.17	1
Fabricated metal products, other machinery and equipment	**	9.18	1.15	0.95	0.49	8.30	..	0.05	1
Other manufacturing(d)	**	9.13	2.11	1.27	1.45	8.34	..	0.08	2
<b>STOCKS—</b>									
<b>Stocks owned by Private Enterprises at Current Prices—</b>									
Manufacturing—									
Food, beverages and tobacco(c)	**	3.90	2.73	2.27	1.10	2.59	..	0.19	1
Textiles, clothing and footwear(c)	**	3.79	2.96	2.49	1.27	2.26	..	0.16	1
Chemical, petroleum and coal products(c)	**	4.90	3.87	3.26	1.77	2.45	..	0.23	1
Cafes and restaurants(d)	**	8.83	5.35	3.79	3.71	5.37	..	0.40	1
Transport equipment(c)	**	4.97	4.34	3.69	1.65	1.46	..	0.16	1
Other manufacturing(c)	**	3.76	2.82	2.50	0.93	2.01	..	0.13	1

For footnotes see end of table.



## APPENDIX C—continued

TABLE 4. AUSTRALIAN SERIES—continued

		Average percentage change without regard to sign +:							
		From month to month * in the						From year to year in the seasonal factors	M. C. D. †
Series description	Page no.	Original series	Seasonally adjusted series	Trend series	Irregular series	Seasonal factors	Trading-day adjustment		
<b>STOCKS—continued</b>									
<b>Stocks owned by Private Enterprises at Current Prices—continued</b>									
Manufacturing—continued									
Total manufacturing(c)	**	2.80	2.54	2.51	0.42	0.85	..	0.07	1
Wholesale trade(c)	**	3.76	3.22	3.11	0.66	1.29	..	0.18	1
Retail trade (excl. Cafes and restaurants, Gas and electricity)(c)	**	4.94	2.99	2.70	0.87	2.33	..	0.10	1
Total (less construction)(c)	**	3.36	2.82	0.71	2.63	0.74	..	0.44	1
<b>Stocks at Average 1979-80 Prices—</b>									
Manufacturing	**	1.64	1.36	1.19	0.53	0.78	..	0.06	1
Other industry	**	2.00	1.69	1.39	0.75	1.04	..	0.06	1
<b>BANKING—</b>									
<b>Savings Banks—</b>									
Depositors' balances(b)(c)	80	0.88	0.72	0.71	0.19	0.53	..	0.05	1
<b>Major Trading Banks—</b>									
Loans, advances, etc. (excl. temporary advances to wool buyers, etc.)(c)(d)	**	1.59	1.11	0.98	0.45	1.45	..	0.10	1
Total loans, advances, etc.(c)(d)	82	1.45	1.10	1.01	0.41	1.22	..	0.08	1
Liquid assets and Australian Government securities(c)	83	5.37	2.50	1.76	1.58	4.72	..	0.26	1
Overdraft limits outstanding(c)	**	0.84	0.81	0.79	0.18	0.22	..	0.06	1
<b>HOUSING FINANCE—</b>									
<b>Housing Finance for Owner Occupation, Loans Approved to Individuals for Construction or Purchase of Dwellings—</b>									
<b>Construction of dwellings—</b>									
<b>Number of dwelling units for which loans have been approved by—</b>									
Savings banks(a)	**	11.99	4.64	1.26	4.52	5.90	8.74	0.48	4
Trading banks(a)	**	17.42	6.37	1.65	6.09	8.01	15.72	0.41	4
Permanent building societies(a)	**	10.80	6.93	2.43	6.51	6.72	6.56	0.48	3
<b>Value of loans approved by—</b>									
Savings banks(a)	**	11.97	5.52	1.38	5.18	5.34	8.74	0.52	4
Trading banks(a)	**	17.04	6.95	2.26	6.47	7.68	15.72	0.78	6
Permanent building societies(a)	**	11.12	7.41	2.61	6.88	6.23	6.56	0.58	3
<b>Purchase of newly erected dwellings—</b>									
<b>Number of dwelling units for which loans have been approved by—</b>									
Savings banks(a)	**	12.38	5.06	1.68	4.80	6.12	10.89	0.58	4
Trading banks(a)	**	18.03	10.85	1.30	10.84	9.56	15.72	0.76	3
Permanent building societies(a)	**	11.90	8.67	5.44	5.60	9.95	5.95	0.67	2
<b>Value of loans approved by—</b>									
Savings banks(a)	**	12.26	5.27	1.70	4.99	6.91	10.89	0.51	4
Trading banks(a)	**	20.29	13.06	1.26	13.20	10.68	15.72	0.78	6
Permanent building societies(a)	**	11.99	6.56	3.41	5.43	9.32	5.71	0.73	2

For footnotes see end of table.



## APPENDIX C—continued

TABLE 4. AUSTRALIAN SERIES—continued

Series description	Page no.	Average percentage change without regard to sign +:							M. C. D. †
		From month to month * in the						From year to year in the seasonal factors	
		Original series	Seasonally adjusted series	Trend series	Irregular series	Seasonal factors	Trading-day adjustment		
<b>HOUSING FINANCE—continued</b>									
<b>Housing Finance for Owner Occupation, Loans Approved to Individuals for Construction or Purchase of Dwellings—continued</b>									
Purchase of established dwellings—									
Number of dwelling units for which loans have been approved—									
Savings banks(a)	**	10.98	5.24	2.18	4.37	6.08	9.03	0.21	3
Trading banks(a)	**	16.45	5.96	2.82	4.93	8.30	15.67	0.41	3
Permanent building societies(a)	**	13.48	8.67	5.44	5.60	9.95	5.95	1.07	2
Value of loans approved by—									
Savings banks(a)	**	11.23	5.27	2.63	4.28	6.01	9.03	0.25	2
Trading banks(a)	**	17.62	6.08	3.67	4.54	9.30	15.67	0.90	2
Permanent building societies(a)	**	14.52	9.11	6.13	5.63	10.22	5.95	1.18	1
<b>NATIONAL ACCOUNTS—</b>									
<b>National Accounts at Current Prices—</b>									
Household Income—									
Wages, salaries and supplements(b)	113	6.11	2.91	2.88	0.70	4.29	1.39	0.09	1
Unfunded employee retirement benefits	**	10.91	7.40	4.41	5.09	6.23	..	1.02	2
Gross Operating Surplus—									
Trading enterprises—									
Dwellings owned by persons(d)	**	10.70	3.68	3.73	1.16	9.02	..	0.22	1
Public enterprises	**	25.01	7.68	3.80	6.04	20.59	..	0.73	2
Final Consumption Expenditure—									
Private—									
Food(a)	**	5.15	2.34	2.30	0.47	3.27	1.05	0.07	1
Cigarettes and tobacco(d)	**	6.37	2.53	2.02	1.22	5.49	..	0.17	1
Alcoholic drinks(a)	**	9.29	2.63	2.44	0.87	8.96	1.02	0.14	1
Household appliances(a)(d)	**	13.97	3.31	2.90	1.17	12.47	1.07	0.24	1
Purchase of motor vehicles	**	7.98	5.40	3.67	3.08	5.83	..	0.44	1
Gross fixed Capital Expenditure—									
Private—									
Dwellings(c)	**	5.18	3.82	3.58	1.19	3.54	..	0.15	1
Non-dwelling construction	**	14.68	5.29	3.96	3.42	12.96	..	0.42	1
All other(e)	**	13.98	5.54	3.45	3.60	12.79	..	0.27	2
<b>National Accounts at Average 1979-80 Prices—</b>									
Gross Domestic Product—									
Gross non-farm product(b)(e)	96	6.07	1.23	0.99	0.62	5.52	..	0.10	1
Final Consumption Expenditure—									
Private—									
Food(a)	**	4.50	1.01	0.77	0.52	3.69	1.03	0.08	1
Cigarettes and tobacco(d)	**	4.97	1.80	1.00	1.38	4.42	..	0.23	2



APPENDIX C—*continued*TABLE 4. AUSTRALIAN SERIES—*continued*

\* From quarter to quarter in quarterly series.

† Q.C.D. for quarterly series.

\*\* Series not published in this publication.

- (a) In seasonally adjusting this series, allowance has been made by prior adjustment for Easter and/or Australia Day effects.
- (b) In seasonally adjusting this series, allowance has been made by prior adjustment for a special type of trading-day variation, other than a simple weekly pattern. (For further details, see Appendix B).
- (c) In the seasonal analysis of this series, allowance has been made by prior adjustment for the effects of trend discontinuities. (For further details, see Appendix B).
- (d) In seasonally adjusting this series, allowance has been made by prior adjustment for an apparent abrupt change in seasonality. (For further details, see Appendix B).
- (e) In the seasonal analysis of this series, allowance has been made by prior adjustment for the effects of exceptional irregular movements. (For further details, see Appendix B).
- (f) Trading day weights reflect apparent changes in trading day pattern in recent years. (For further details, see Appendix B).



## APPENDIX C—continued

TABLE 5. STATE SERIES

Series description	Average percentage change without regard to sign :							M. C. D. †
	From month to month * in the						From year to year in the seasonal factors	
	Original series	Season- ally adjusted series	Trend series	Irregular series	Seasonal factors	Trading -day adjust- ment		
<b>RETAIL TRADE—</b>								
<b>Quarterly Retail Sales at Current Prices—</b>								
Food and drink—								
New South Wales(a)(b)	6.11	2.26	2.17	0.65	4.52	1.03	0.08	1
Victoria(a)(b)	5.10	2.37	2.29	0.54	4.59	1.03	0.07	1
Queensland(a)(b)	5.80	2.60	2.52	0.60	3.95	1.07	0.08	1
South Australia(a)(b)	5.49	2.32	2.25	0.61	4.82	1.04	0.08	1
Western Australia(a)(b)	5.93	2.81	2.68	0.85	5.07	1.05	0.14	1
Tasmania(a)(b)	5.57	2.35	2.25	0.68	4.88	1.04	0.07	1
Clothing, hardware, electrical, etc.—								
New South Wales(a)(b)	19.28	2.37	2.24	0.89	18.18	1.04	0.13	1
Victoria(a)(b)	18.35	2.28	2.16	0.74	17.43	1.07	0.20	1
Queensland(a)(b)	15.18	2.76	2.56	0.91	13.14	1.02	0.12	1
South Australia(a)(b)	15.95	2.55	2.34	0.97	14.87	1.11	0.16	1
Western Australia(a)(b)	16.17	2.84	2.64	1.06	14.88	1.06	0.14	1
Tasmania(a)(b)	18.27	2.37	2.05	0.93	17.39	1.05	0.23	1
All other goods (excl. motor vehicles, parts, petrol, etc.)—								
New South Wales(a)	13.47	2.44	2.40	0.93	11.62	1.04	0.12	1
Victoria(a)(b)	13.65	2.48	2.36	0.67	12.09	1.05	0.12	1
Queensland(a)	11.52	2.75	2.65	0.75	9.30	1.04	0.11	1
South Australia(a)	13.52	2.55	2.42	0.71	11.73	1.03	0.16	1
Western Australia(a)	13.57	2.77	2.67	0.76	11.82	1.06	0.16	1
Tasmania(a)(b)	13.42	2.65	2.42	0.91	11.92	1.05	0.14	1
<b>Quarterly Retail Sales at Constant Prices—</b>								
All items (excl. motor vehicles, parts, petrol, etc.)—								
New South Wales(a)	11.06	1.08	0.74	0.71	10.18	1.49	0.09	1
Victoria(a)	10.31	0.90	0.74	0.38	9.67	1.16	0.06	1
Queensland(a)	9.69	1.37	1.09	0.58	8.44	1.17	0.03	1
South Australia(a)	9.51	0.89	0.71	0.51	9.06	1.08	0.04	1
Western Australia(a)	9.66	1.19	0.94	0.59	8.78	1.11	0.08	1
Tasmania(a)	9.39	0.62	0.45	0.24	9.00	1.15	0.05	1
<b>MOTOR VEHICLE REGISTRATIONS—</b>								
<b>Registrations of New Motor Vehicles—</b>								
Cars and station wagons—								
New South Wales(b)	11.43	6.44	1.45	6.20	7.29	5.70	0.37	6
Victoria(b)	13.15	7.14	1.56	6.79	8.70	6.93	0.49	6
Queensland(b)	13.02	9.71	1.15	9.62	5.78	8.30	0.66	6
South Australia(b)	12.57	7.81	2.12	7.35	8.60	6.01	0.47	5
Western Australia(b)	10.91	7.22	1.76	7.02	6.28	5.89	0.43	5
Tasmania(b)(c)	16.34	9.11	0.85	8.99	14.64	5.87	0.56	6
Other vehicles—								
New South Wales(b)	13.47	6.59	1.69	6.17	10.14	6.09	0.39	5
Victoria(b)	14.28	7.81	1.66	7.36	9.51	6.91	0.45	5
Queensland(b)	14.57	10.52	1.96	10.19	7.87	7.44	0.67	6
South Australia(b)	14.18	8.53	2.16	8.16	10.79	5.32	0.48	5
Western Australia(b)	11.60	7.54	1.69	7.19	7.84	6.07	0.51	5
Tasmania(b)	16.99	13.03	1.25	12.86	9.05	8.02	0.80	6

For footnotes see end of table.



## APPENDIX C—continued

TABLE 5. STATE SERIES—continued

Series description	Average percentage change without regard to sign :							M. C. D. †
	From month to month * in the						From year to year in the seasonal factors	
	Original series	Seas- onally adjusted series	Trend series	Irregular series	Seasonal factors	Trading -day adjust- ment		
<b>BUILDING—</b>								
<b>Building Approvals—</b>								
Number of new dwellings approved—								
New South Wales(b)	11.71	8.71	1.97	8.39	7.52	6.03	0.47	5
Victoria(b)	16.24	7.95	1.77	7.58	12.38	7.71	0.45	5
Queensland(b)	14.92	8.65	2.12	8.30	10.48	5.69	0.50	5
<b>Building Commenced—</b>								
Number of new dwellings commenced—								
New South Wales(a)	7.33	6.33	4.12	4.17	3.45	..	0.47	2
Victoria	8.58	6.53	3.97	5.23	5.05	..	0.51	2
Queensland	9.80	7.22	4.61	4.45	5.84	..	0.51	1
South Australia	9.85	7.67	4.31	5.59	5.82	..	0.71	2
Western Australia	11.85	9.00	5.92	6.18	7.64	..	0.61	2
Tasmania	13.22	11.37	5.63	7.95	5.96	..	0.95	2
<b>Building Under Construction—</b>								
Number of new dwellings under construction—								
New South Wales(a)	4.62	3.98	3.65	1.08	2.55	..	0.16	1
Victoria	4.76	3.39	3.15	1.11	3.20	..	0.10	1
Queensland(a)	7.97	5.30	4.34	2.16	4.81	..	0.31	1
South Australia	5.06	4.18	3.85	1.85	3.43	..	0.23	1
Western Australia	8.13	6.88	6.22	2.47	3.87	..	0.19	1
Tasmania	5.71	4.42	3.12	2.37	3.68	..	0.29	1
<b>Building Completed—</b>								
Number of new dwellings completed—								
New South Wales	9.53	4.86	3.00	3.04	8.16	..	0.38	1
Victoria	13.52	4.39	2.57	2.97	12.45	..	0.40	2
Queensland	10.08	5.34	3.03	3.65	8.16	..	0.51	2
South Australia	12.51	5.97	3.26	4.65	10.39	..	0.44	2
Western Australia	11.54	7.69	4.77	4.71	8.67	..	0.71	1
Tasmania	15.76	7.99	4.45	5.84	14.40	..	0.63	2

\* from quarter to quarter in quarterly series.

† Q.C.D. for quarterly series.

- (a) In the seasonal analysis of this series, allowance has been made by prior adjustment for the effects of trend discontinuities. (For further details, see Appendix B).
- (b) In seasonally adjusting this series, allowance has been made by prior adjustment for Easter and/or Australia Day effects.
- (c) In seasonally adjusting this series, allowance has been made by prior adjustment for an apparent abrupt change in seasonality. (For further details, see Appendix B).



## APPENDIX D

## TREND-CYCLE WEIGHTS

The following tables give the weight patterns for the trend-cycle average used in the quarterly X-11Q routine (5-term Henderson curve), the three averages available in the monthly X-11 variable trend-cycle routine (9-, 13-, and 23-term Henderson curves), and the weights for extending the averages at the ends of series. 'N' is the last month or quarter for which a value in the seasonally adjusted series is available.

5-Term Henderson						9-Term Henderson									
Trend-cycle value for month	Weight given to seasonally adjusted values in month					Trend-cycle value for month	Weight given to seasonally adjusted values in month								
	N-4	N-3	N-2	N-1	N		N-8	N-7	N-6	N-5	N-4	N-3	N-2	N-1	N
N	0	0	-.073	.403	.670	N	0	0	0	0	-.156	-.034	.185	.424	.581
N-1	0	-.073	.294	.522	.257	N-1	0	0	0	-.049	-.011	.126	.282	.354	.298
N-2	-.073	.294	.558	.294	-.073	N-2	0	0	-.022	0	.120	.259	.315	.242	.086
						N-3	0	-.031	-.004	.120	.263	.324	.255	.102	-.029
						N-4	-.041	-.010	.119	.267	.330	.267	.119	-.010	-.041

13-Term Henderson														
Trend-cycle value for month	Weight given to seasonally adjusted values in month													
	N-12	N-11	N-10	N-9	N-8	N-7	N-6	N-5	N-4	N-3	N-2	N-1	N	
N	0	0	0	0	0	0	-.092	-.058	.012	.120	.244	.353	.421	
N-1	0	0	0	0	0	-.043	-.038	.002	.080	.174	.254	.292	.279	
N-2	0	0	0	0	-.016	-.025	.003	.068	.149	.216	.241	.216	.148	
N-3	0	0	0	-.009	-.022	.004	.066	.145	.208	.230	.201	.131	.046	
N-4	0	0	-.011	-.022	.003	.067	.145	.210	.235	.205	.136	.050	-.018	
N-5	0	-.017	-.025	.001	.066	.147	.213	.238	.212	.144	.061	-.006	-.034	
N-6	-.019	-.028	0	.066	.147	.214	.240	.214	.147	.066	0	-.028	-.019	

23-Term Henderson													
Trend-cycle value for month	Weight given to seasonally adjusted values in month												
	N-22	N-21	N-20	N-19	N-18	N-17	N-16	N-15	N-14	N-13	N-12	N-11	
N	0	0	0	0	0	0	0	0	0	0	0	-.077	
N-1	0	0	0	0	0	0	0	0	0	0	-.046	-.041	
N-2	0	0	0	0	0	0	0	0	0	-.022	-.025	-.025	
N-3	0	0	0	0	0	0	0	0	-.008	-.014	-.018	-.015	
N-4	0	0	0	0	0	0	0	-.001	-.008	-.013	-.012	-.003	
N-5	0	0	0	0	0	0	.003	-.006	-.011	-.011	-.002	.015	
N-6	0	0	0	0	0	.002	-.006	-.012	-.011	-.003	.015	.039	
N-7	0	0	0	0	.001	-.007	-.013	-.011	-.003	.015	.039	.068	
N-8	0	0	0	-.002	-.007	-.013	-.013	-.003	.014	.039	.068	.097	
N-9	0	0	-.003	-.010	-.015	-.014	-.005	.014	.040	.069	.097	.122	
N-10	0	-.004	-.011	-.016	-.015	-.005	.013	.039	.068	.097	.122	.138	
N-11	-.004	-.011	-.016	-.015	-.005	.013	.039	.068	.097	.122	.138	.148	



APPENDIX D—*continued*TREND-CYCLE WEIGHTS—*continued*23-Term Henderson—*continued*

<i>Trend-cycle value for month</i>	<i>Weight given to seasonally adjusted values in month</i>										
	<i>N-10</i>	<i>N-9</i>	<i>N-8</i>	<i>N-7</i>	<i>N-6</i>	<i>N-5</i>	<i>N-4</i>	<i>N-3</i>	<i>N-2</i>	<i>N-1</i>	<i>N</i>
N	-.064	-.049	-.028	.002	.039	.084	.133	.182	.227	.263	.288
N-1	-.035	-.024	-.004	.025	.061	.101	.141	.176	.203	.219	.224
N-2	-.019	-.005	.018	.049	.082	.116	.146	.166	.177	.176	.166
N-3	-.004	.015	.042	.073	.103	.129	.147	.154	.150	.134	.112
N-4	.015	.040	.068	.098	.121	.137	.142	.136	.119	.095	.066
N-5	.039	.067	.095	.119	.134	.139	.131	.114	.088	.059	.027
N-6	.068	.096	.118	.134	.138	.132	.114	.089	.059	.027	.001
N-7	.096	.120	.135	.140	.133	.116	.090	.060	.031	.005	-.015
N-8	.120	.137	.140	.136	.118	.094	.064	.034	.008	-.010	-.021
N-9	.138	.143	.137	.120	.095	.067	.037	.011	-.007	-.017	-.019
N-10	.144	.138	.122	.097	.068	.039	.013	-.005	-.015	-.016	-.011
N-11	.138	.122	.097	.068	.039	.013	-.005	-.015	-.016	-.011	-.004



